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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1 Web Page URLs for STN Seminar Schedule - N.
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NEWS 2 Jan 25 BLAST(R) searching in REGISTRY available in
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NEWS 4 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a
new update
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NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated
Effective 3/31/02
NEWS 6 Mar 08 Gene Names now available in BIOSIS
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NEWS 8 Mar 22 TRCTHERMO no longer available
NEWS 9 Mar 28 US Provisional Priorities searched with P in
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and USPATFULL
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NEWS 13 Apr 09 BEILSTEIN: Reload and Implementation of a New
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NEWS 15 Apr 19 US Patent Applications available in IFICDB,
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NEWS 16 Apr 22 Records from IP.com available in CAPLUS,
HCAPLUS, and ZCAPLUS
NEWS 17 Apr 22 BIOSIS Gene Names now available in
TOXCENTER
NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now
available
NEWS 19 Jun 03 New e-mail delivery for search results now available
NEWS 20 Jun 10 MEDLINE Reload
NEWS 21 Jun 10 PCTFULL has been reloaded
NEWS 22 Jul 02 FOREGE no longer contains STANDARDS file
segment

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS
V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND
V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05
FEBRUARY 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access
to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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agreement. Please note that this agreement limits use to scientific
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result in loss of user privileges and other penalties.

***** STN Columbus *****

FILE 'HOME' ENTERED AT 08:31:50 ON 18 JUL 2002

=> log y
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 0.63 0.63

STN INTERNATIONAL LOGOFF AT 08:33:31 ON 18 JUL 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1636DXS

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segment

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V6.0d,

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V6.0Ja(JP),

AND CURRENT DISCOVER FILE IS DATED 05

FEBRUARY 2002

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 08:52:14 ON 18 JUL 2002

=> file medline biosis caplus

COST IN U.S. DOLLARS	ENTRY	SINCE FILE SESSION	TOTAL
FULL ESTIMATED COST		0.84	0.84

FILE 'MEDLINE' ENTERED AT 08:54:42 ON 18 JUL 2002

FILE 'BIOSIS' ENTERED AT 08:54:42 ON 18 JUL 2002
COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'CAPLUS' ENTERED AT 08:54:42 ON 18 JUL 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> s casein adj promoter

L1 0 CASEIN ADJ PROMOTER

=> s casein(2a)promoter

L2 480 CASEIN(2A) PROMOTER

=> s whey acid(2a)promoter

L3 17 WHEY ACID(2A) PROMOTER

=> s ?lactalbumin(2a)promoter

L4 31 ?LACTALBUMIN(2A) PROMOTER

=> s ?lactoalbumin(2a)promoter

L5 0 ?LACTOALBUMIN(2A) PROMOTER

=> e lactoalbumin

E1 1 LACTOALBIDA/BI
E2 2 LACTOALBUM/BI
E3 128 --> LACTOALBUMIN/BI
E4 2 LACTOALBUMINE/BI
E5 16 LACTOALBUMINS/BI
E6 2 LACTOALDEHYDE/BI
E7 1 LACTOAMASES/BI
E8 3 LACTOAMIDE/BI
E9 2 LACTOAMINE/BI
E10 1 LACTOAMINOLOVORIN/BI
E11 1 LACTOAMYLOVORIN/BI
E12 1 LACTOAND/BI

=> e lactalbumin

E1 11 LACTALBUMEN/BI
E2 1 LACTALBUMI/BI

E3 10117 --> LACTALBUMIN/BI
E4 3 LACTALBUMIN1/BI
E5 1 LACTALBUMIN17/BI
E6 3 LACTALBUMIN2/BI
E7 1 LACTALBUMIN80/BI
E8 2 LACTALBUMINA/BI
E9 1 LACTALBUMINATE/BI
E10 1 LACTALBUMINCNTDOTML/BI
E11 20 LACTALBUMINE/BI
E12 3 LACTALBUMINES/BI

=> s lactoglobulin(2a)promoter

L6 178 LACTOGLOBULIN(2A) PROMOTER

=> d his

(FILE 'HOME' ENTERED AT 08:52:14 ON 18 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 08:54:42 ON 18 JUL 2002

L1 0 S CASEIN ADJ PROMOTER
L2 480 S CASEIN(2A)PROMOTER
L3 17 S WHEY ACID(2A)PROMOTER
L4 31 S ?LACTALBUMIN(2A)PROMOTER
L5 0 S ?LACTOALBUMIN(2A)PROMOTER
E LACTOALBUMIN
E LACTALBUMIN
L6 178 S LACTOGLOBULIN(2A)PROMOTER

=> s pig or porcine

L7 678508 PIG OR PORCINE

=> s cattle or cow or bovine

L8 762760 CATTLE OR COW OR BOVINE

=> s horse or equine

L9 135902 HORSE OR EQUINE

=> s goat

L10 71287 GOAT

=> s camel

L11 6428 CAMEL

=> s sheep or ovine

L12 282040 SHEEP OR OVINE

=> s rodent or mouse or rat or murine

L13 5324583 RODENT OR MOUSE OR RAT OR MURINE

=> s l7(s)l2

L14 6 L7(S) L2

=> s l7(s)l3

L15 0 L7(S) L3

=> s l7(s)l4

L16 2 L7(S) L4

=> s l7(s)l6

L17 1 L7(S) L6

=> s l8(s)l2

L18 92 L8(S) L2

=> s l8(s)l3

L19 1 L8(S) L3

=> s l8(s)l4

L20 16 L8(S) L4

=> s l8(s)l6

L21 24 L8(S) L6

```

=> s l9(s)l2
L22      0 L9(S) L2

=> s l9(s)l3
L23      0 L9(S) L3

=> s l9(s)l4
L24      0 L9(S) L4

=> s l9(s)l6
L25      0 L9(S) L6

=> s l10(s)l2
L26      17 L10(S) L2

=> s l10(s)l3
L27      2 L10(S) L3

=> s l10(s)l4
L28      0 L10(S) L4

=> s l10(s)l6
L29      14 L10(S) L6

=> s l11(s)l2
L30      0 L11(S) L2

=> s l11(s)l3
L31      0 L11(S) L3

=> s l11(s)l4
L32      0 L11(S) L4

=> s l11(s)l6
L33      0 L11(S) L6

=> s l12(s)l2
L34      13 L12(S) L2

=> s l12(s)l3
L35      13 L12(S) L2

=> s l12(s)l4
L36      2 L12(S) L3

=> s l12(s)l6
L37      4 L12(S) L4

=> s l12(s)l6
L38      74 L12(S) L6

=> s l13(s)l2
L39      200 L13(S) L2

=> s l13(s)l3
L40      15 L13(S) L3

=> s l13(s)l4
L41      21 L13(S) L4

=> s l13(s)l6
L42      77 L13(S) L6

=> s human
SYSTEM LIMITS EXCEEDED - SEARCH ENDED
SYSTEM LIMITS EXCEEDED - SEARCH ENDED
COMMAND INTERRUPTED
If this message appears repeatedly, please notify the Help Desk.
Enter "HELP STN" for information on contacting the nearest STN Help
Desk by telephone or via SEND in the STNMAIL file.

=>

=> s human(s)l2

```

```

L43      119 HUMAN(S) L2

=> s human(s)l3
L44      14 HUMAN(S) L3

=> s human(s)l4
L45      7 HUMAN(S) L4

=> s human(s)l6
L46      53 HUMAN(S) L6

=> d his

```

(FILE 'HOME' ENTERED AT 08:52:14 ON 18 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 08:54:42 ON
18 JUL 2002

```

L1       0 S CASEIN ADJ PROMOTER
L2       480 S CASEIN(2A)PROMOTER
L3       17 S WHEY ACID(2A)PROMOTER
L4       31 S ?LACTALBUMIN(2A)PROMOTER
L5       0 S ?LACTOALBUMIN(2A)PROMOTER
        E LACTOALBUMIN
        E LACTALBUMIN
L6       178 S LACTOGLOBULIN(2A)PROMOTER
L7       678508 S PIG OR PORCINE
L8       762760 S CATTLE OR COW OR BOVINE
L9       135902 S HORSE OR EQUINE
L10      71287 S GOAT
L11      6428 S CAMEL
L12      282040 S SHEEP OR OVINE
L13      5324583 S RODENT OR MOUSE OR RAT OR MURINE
L14      6 S L7(S)L2
L15      0 S L7(S)L3
L16      2 S L7(S)L4
L17      1 S L7(S)L6
L18      92 S L8(S)L2
L19      1 S L8(S)L3
L20      16 S L8(S)L4
L21      24 S L8(S)L6
L22      0 S L9(S)L2
L23      0 S L9(S)L3
L24      0 S L9(S)L4
L25      0 S L9(S)L6
L26      17 S L10(S)L2
L27      2 S L10(S)L3
L28      0 S L10(S)L4
L29      14 S L10(S)L6
L30      0 S L11(S)L2
L31      0 S L11(S)L3
L32      0 S L11(S)L4
L33      0 S L11(S)L6
L34      13 S L12(S)L2
L35      13 S L12(S)L2
L36      2 S L12(S)L3
L37      4 S L12(S)L4
L38      74 S L12(S)L6
L39      200 S L13(S)L2
L40      15 S L13(S)L3
L41      21 S L13(S)L4
L42      77 S L13(S)L6
L43      119 S HUMAN(S)L2
L44      14 S HUMAN(S)L3
L45      7 S HUMAN(S)L4
L46      53 S HUMAN(S)L6

```

```

=> s casein(2a)gene
L47      1913 CASEIN(2A) GENE

```

```

=> whey acid(2a)gene
WHEY IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

```

=> s whey acid(2a)gene
L48 27 WHEY ACID(2A) GENE

=> s lactalbumin(2a)gene
L49 275 LACTALBUMIN(2A) GENE

=> s lactoglobulin(2a)gene
LACTOGLOBULIN(2A)GENE IS NOT A RECOGNIZED
COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s lactoglobulin(2a)gene
L50 444 LACTOGLOBULIN(2A) GENE

=> s l7(s)l48
L51 1 L7(S) L48

=> s l9(s)l47
L52 0 L9(S) L47

=> s l9(s)l48
L53 0 L9(S) L48

=> s l9(s)l49
L54 0 L9(S) L49

=> s l9(s)l450
L450 NOT FOUND
The L-number entered could not be found. To see the definition
of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s l9(s)l50
L55 6 L9(S) L50

=> s l10(s)l49
L56 18 L10(S) L49

=> s l11(s)l47
L57 2 L11(S) L47

=> s l11(s)l48
L58 0 L11(S) L48

=> s l11(s)l49
L59 2 L11(S) L49

=> s l11(s)l50
L60 0 L11(S) L50

=> d his

(FILE 'HOME' ENTERED AT 08:52:14 ON 18 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 08:54:42 ON
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L1 0 S CASEIN ADJ PROMOTER
L2 480 S CASEIN(2A)PROMOTER
L3 17 S WHEY ACID(2A)PROMOTER
L4 31 S ?LACTALBUMIN(2A)PROMOTER
L5 0 S ?LACTOALBUMIN(2A)PROMOTER
E LACTOALBUMIN
E LACTALBUMIN
L6 178 S LACTOGLOBULIN(2A)PROMOTER
L7 678508 S PIG OR PORCINE
L8 762760 S CATTLE OR COW OR BOVINE
L9 135902 S HORSE OR EQUINE
L10 71287 S GOAT
L11 6428 S CAMEL
L12 282040 S SHEEP OR OVINE
L13 5324583 S RODENT OR MOUSE OR RAT OR MURINE
L14 6 S L7(S)L2

L15 0 S L7(S)L3
L16 2 S L7(S)L4
L17 1 S L7(S)L6
L18 92 S L8(S)L2
L19 1 S L8(S)L3
L20 16 S L8(S)L4
L21 24 S L8(S)L6
L22 0 S L9(S)L2
L23 0 S L9(S)L3
L24 0 S L9(S)L4
L25 0 S L9(S)L6
L26 17 S L10(S)L2
L27 2 S L10(S)L3
L28 0 S L10(S)L4
L29 14 S L10(S)L6
L30 0 S L11(S)L2
L31 0 S L11(S)L3
L32 0 S L11(S)L4
L33 0 S L11(S)L6
L34 13 S L12(S)L2
L35 13 S L12(S)L2
L36 2 S L12(S)L3
L37 4 S L12(S)L4
L38 74 S L12(S)L6
L39 200 S L13(S)L2
L40 15 S L13(S)L3
L41 21 S L13(S)L4
L42 77 S L13(S)L6
L43 119 S HUMAN(S)L2
L44 14 S HUMAN(S)L3
L45 7 S HUMAN(S)L4
L46 53 S HUMAN(S)L6
L47 1913 S CASEIN(2A)GENE
L48 27 S WHEY ACID(2A)GENE
L49 275 S LACTALBUMIN(2A)GENE
L50 444 S LACTOGLOBULIN(2A)GENE
L51 1 S L7(S)L48
L52 0 S L9(S)L47
L53 0 S L9(S)L48
L54 0 S L9(S)L49
L55 6 S L9(S)L50
L56 18 S L10(S)L49
L57 2 S L11(S)L47
L58 0 S L11(S)L48
L59 2 S L11(S)L49
L60 0 S L11(S)L50

=> dup rem l14
PROCESSING COMPLETED FOR L14
L61 3 DUP REM L14 (3 DUPLICATES REMOVED)

=> d ti so 1-3

L61 ANSWER 1 OF 3 MEDLINE DUPLICATE 1
TI A comparative study on the integration of exogenous DNA into
mouse, rat,
rabbit, and pig genomes.
SO EXPERIMENTAL ANIMALS, (2001 Apr) 50 (2) 125-31.
Journal code: 9604830. ISSN: 1341-1357.

L61 ANSWER 2 OF 3 MEDLINE DUPLICATE 2
TI Production of transgenic rabbits using centrifuged pronuclear
zygotes.
SO JOURNAL OF VETERINARY MEDICAL SCIENCE, (2000 Oct)
62 (10) 1047-52.
Journal code: 9105360. ISSN: 0916-7250.

L61 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS
TI Cloning of promoter of .beta.-casein-coding gene from
pig for production of useful proteins in milk of large transgenic
animals
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF

=> d ibib ab 3

L61 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:238212 CAPLUS

DOCUMENT NUMBER: 126:221474

TITLE: Cloning of promoter of .beta.-casein
-coding gene from pig for production of
useful proteins in milk of large transgenic animals

INVENTOR(S): Sugawara, Hiroyuki; Ishama, Haruo; Wakae,

Kazuo

PATENT ASSIGNEE(S): Terumo Corp, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

JP 09037786	A2	19970210	JP 1995-194613	19950731
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AB Disclosed is a promoter-contg. DNA sequence of swine .beta.-

casein-coding

gene that is useful in directing gene expression in milk. Expression
vectors contg. the promoter are claimed.

=> d ibib ab 2

L61 ANSWER 2 OF 3 MEDLINE DUPLICATE 2

ACCESSION NUMBER: 2001194236 MEDLINE

DOCUMENT NUMBER: 20523226 PubMed ID: 11073074

TITLE: Production of transgenic rabbits using centrifuged
pronuclear zygotes.

AUTHOR: Hirabayashi M; Hirao M; Takahashi R; Kimura K;
Hirasawa K;

Ueda M; Hoshi S

CORPORATE SOURCE: YS New Technology Institute Inc,
Shimotsuga-Gun, Tochigi,
Japan.

SOURCE: JOURNAL OF VETERINARY MEDICAL
SCIENCE, (2000 Oct) 62 (10)
1047-52.

Journal code: 9105360. ISSN: 0916-7250.

PUB. COUNTRY: Japan

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200104

ENTRY DATE: Entered STN: 20010410

Last Updated on STN: 20010410

Entered Medline: 20010405

AB Superovulation of female rabbits was induced by subcutaneous
injection(s)

of porcine FSH. Zygotes were recovered 17 to 19 hr after hCG
injection and were classified into two categories under a microscope
equipped with Nomarski interference-contrast optics at x 200
magnification: (A) zygotes with clearly visible pronuclei, or (B)

zygotes

with visualized pronuclei after 10 min centrifugation at 12,000 x g.

No

significant difference between strains was found in the proportion of
category-A zygotes (JW 72.6% vs NZW 79.3%). Pronuclei of

category-A

zygotes were located in the center of the cytoplasm, and the pronuclei

of

category-B zygotes were slightly moved by centrifugation toward the
mass

of cytoplasmic lipid droplets. Exogenous DNA solution (5 microg/ml

of

fusion gene composed of bovine alphaS1-casein promoter

and human growth hormone structural gene) was microinjected into

the

pronucleus of the JW zygotes. The pronucleus of category-A zygotes
with a

mean volume of 7.4 pl swelled up to 16.6 pl (132% increase), while

that of

category-B zygotes with a mean volume of 6.1 pl swelled up to 15.9
pl

(148% increase). Nevertheless, similar proportions of category-A and
category-B zygotes developed into offspring after transfer to recipient
females (11.1 and 11.2%, respectively). The efficiency to produce
hGH-carrying transgenic rabbits was 0.9% (2/235) from category-A

zygotes

and 0.5% (1/215) from category-B zygotes (P>0.05). To date,

transgenic

rabbits have been produced without centrifugation of pronuclear
zygotes.

However approximately 25% of fertilized rabbit zygotes can be used
for DNA

microinjection after they have been centrifuged to visualize their
pronuclei.

=> dup rem I16

PROCESSING COMPLETED FOR L16

L62 2 DUP REM L16 (0 DUPLICATES REMOVED)

=> d ti so 1-2

L62 ANSWER 1 OF 2 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI Production of transgenic pigs and mice containing the gene
encoding human insulin-like growth factor I (IGF-I) under control of
the

bovine alpha-lactalbumin promoter and regulatory
regions.

SO Journal of Dairy Science, (1998) Vol. 81, No. SUPPL. 1, pp. 213.

Meeting Info.: Joint Meeting of the American Dairy Science
Association and

the American Society of Animal Science Denver, Colorado, USA
July 28-31,

1998 American Society of Animal Science

ISSN: 0022-0302.

L62 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

TI DNA sequence of the porcine .alpha.-lactalbumin 5' flanking region
and

single-base polymorphisms within this region

SO Anim. Genet. (1995), 26(2), 101-3

CODEN: ANGE3; ISSN: 0268-9146

=> d ibib ab 2

L62 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:618322 CAPLUS

DOCUMENT NUMBER: 123:134508

TITLE: DNA sequence of the porcine .alpha.-lactalbumin 5'
flanking region and single-base polymorphisms within
this region

AUTHOR(S): Bleck, G T.; Johnson-Roberts, D L.; Jimenez-
Flores,

R.; Wheeler, M B.

CORPORATE SOURCE: Laboratory Molecular Embryology,
University Illinois,

Urbana, IL, 61801, USA

SOURCE: Anim. Genet. (1995), 26(2), 101-3

CODEN: ANGE3; ISSN: 0268-9146

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The 5' flanking region of the .alpha.-lactalbumin (.alpha.-LA) gene
was

sequenced for the Duroc, Yorkshire and Meishan breeds of swine to
identify

potential sequence variants within this regulatory region of the
porcine

.alpha.-LA gene. The sequenced region of the gene encompasses 391bp5' of the translation start site to 11bp3' of the translation start site. Within this sequence of the porcine .alpha.-LA gene two single-base pair differences were detected. One variant occurs at position -178 and the other at position -235 from the translation start site. Each of the variations can be detected by a restriction fragment length polymorphism within a polymerase chain reaction amplified product. The polymorphisms at the -178 and -235 positions appear to be genetically linked in the animals that have been analyzed.

=> dup rem l21

PROCESSING COMPLETED FOR L21

L63 11 DUP REM L21 (13 DUPLICATES REMOVED)

=> d ti so 1-11

L63 ANSWER 1 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Transgenic non-human mammals expressing human coagulation factor VIII and von Willebrand factor.

SO Official Gazette of the United States Patent and Trademark Office Patents,

(July 3, 2001) Vol. 1248, No. 1, pp. No Pagination. e-file.
ISSN: 0098-1133.

L63 ANSWER 2 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC. DUPLICATE

1

TI Sequence analysis of beta-lactoglobulin promoter in Korean cattle.

SO Journal of Animal Science and Technology, (August, 2000) Vol. 42, No. 4,
pp. 443-450. print.
ISSN: 0367-5807.

L63 ANSWER 3 OF 11 MEDLINE DUPLICATE 2

TI Expression of a functional mouse-human chimeric anti-CD19 antibody in the milk of transgenic mice.

SO TRANSGENIC RESEARCH, (2000 Apr) 9 (2) 155-9.
Journal code: 9209120. ISSN: 0962-8819.

L63 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2002 ACS

TI Preparation of human growth hormone by expressing it in mammary glands of transgenic animals

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 20 pp.
CODEN: CNXXEV

L63 ANSWER 5 OF 11 MEDLINE DUPLICATE 3

TI Differential expression of bovine beta-lactoglobulin A and B promoter variants in transiently transfected HC11 cells.

SO JOURNAL OF DAIRY RESEARCH, (1999 Nov) 66 (4) 537-44.
Journal code: 2985125R. ISSN: 0022-0299.

L63 ANSWER 6 OF 11 MEDLINE DUPLICATE 4

TI Use of doxycycline-controlled gene expression to reversibly alter milk-protein composition in transgenic mice.

SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1999 Mar) 260 (2) 533-9.

Journal code: 0107600. ISSN: 0014-2956.

L63 ANSWER 7 OF 11 MEDLINE DUPLICATE 5

TI Polymorphisms of bovine beta-lactoglobulin promoter and differences in the binding affinity of activator protein-2 transcription factor.

SO JOURNAL OF DAIRY SCIENCE, (1997 Jul) 80 (7) 1389-97.
Journal code: 2985126R. ISSN: 0022-0302.

L63 ANSWER 8 OF 11 MEDLINE

DUPLICATE 6

TI Targeted expression of MDM2 uncouples S phase from mitosis and inhibits

mammary gland development independent of p53.

SO GENES AND DEVELOPMENT, (1997 Mar 15) 11 (6) 714-25.
Journal code: 8711660. ISSN: 0890-9369.

L63 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS

TI Polymorphism in the 5' flanking region of the bovine-lactoglobulin-encoding gene and its association with .beta.-lactoglobulin in the milk

SO Journal of Animal Breeding and Genetics (1997), 114(1), 49-53
CODEN: JABAE8; ISSN: 0931-2668

L63 ANSWER 10 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Functional analysis of the differential expression of bovine beta-lactoglobulin A and B promoter variants in transient transfection of HC11 cells.

SO Animal Genetics, (1996) Vol. 27, No. SUPPL. 2, pp. 90.

Meeting Info.: 25th International Conference on Animal Genetics
Tours,
France July 21-25, 1996
ISSN: 0268-9146.

L63 ANSWER 11 OF 11 MEDLINE

DUPLICATE 7

TI Epithelial proliferation and differentiation in the mammary gland do not

correlate with cFABP gene expression during early pregnancy.

SO DEVELOPMENTAL GENETICS, (1995) 17 (2) 167-75.
Journal code: 7909963. ISSN: 0192-253X.

=> dup rem l18

PROCESSING COMPLETED FOR L18

L64 53 DUP REM L18 (39 DUPLICATES REMOVED)

=> d ti so 1-53

L64 ANSWER 1 OF 53 CAPLUS COPYRIGHT 2002 ACS

TI C1 inhibitor produced in the milk of transgenic mammals

SO PCT Int. Appl., 47 pp.
CODEN: PIXXD2

L64 ANSWER 2 OF 53 CAPLUS COPYRIGHT 2002 ACS

TI Immune tolerant transgenic rats secreting human growth hormone into milk

SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF

L64 ANSWER 3 OF 53 MEDLINE

DUPLICATE 1

TI The milk protein promoter is a useful tool for developing a rat with tolerance to a human protein.

SO TRANSGENIC RESEARCH, (2001 Dec) 10 (6) 571-5.
Journal code: 9209120. ISSN: 0962-8819.

L64 ANSWER 4 OF 53 CAPLUS COPYRIGHT 2002 ACS

TI Recombinant expression of human tissue plasminogen activator in transgenic

mice milk regulated by bovine .alpha.-sl-casein gene promoter and Poly(A) signal

SO Yichuan Xuebao (2001), 28(5), 405-410
CODEN: ICHPCG; ISSN: 0379-4172

L64 ANSWER 5 OF 53 MEDLINE

DUPLICATE 2

TI Production of transgenic rats using young Sprague-Dawley females treated

with PMSG and hCG.

SO EXPERIMENTAL ANIMALS, (2001 Oct) 50 (5) 365-9.
Journal code: 9604830. ISSN: 1341-1357.

L64 ANSWER 6 OF 53 MEDLINE DUPLICATE 3
TI Nuclear transfer in cattle with non-transfected and transfected fetal
or
cloned transgenic fetal and postnatal fibroblasts.
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (2001
Nov) 60 (3) 362-9.
Journal code: 8903333. ISSN: 1040-452X.

L64 ANSWER 7 OF 53 MEDLINE DUPLICATE 4
TI Effects of cryopreservation of pronuclear-stage rabbit zygotes on the
morphological survival, blastocyst formation, and full-term
development
after DNA microinjection.
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (2001
Oct) 60 (2) 227-32.
Journal code: 8903333. ISSN: 1040-452X.

L64 ANSWER 8 OF 53 CAPLUS COPYRIGHT 2002 ACS
TI t-PA cDNA expression regulated by linking promoter in mammary
gland
SO Henan Nongye Daxue Xuebao (2001), 35(2), 188-191
CODEN: HNDAEJ; ISSN: 1000-2340

L64 ANSWER 9 OF 53 CAPLUS COPYRIGHT 2002 ACS
TI Transgenic mice carrying a gene for green fluorescent protein fused
to a
lytic peptide, Shiva 1, under control of the bovine .beta.-casein
regulatory region
SO Transgenics (2001), 3(2-4), 183-197
CODEN: TADTEF; ISSN: 1023-6171

L64 ANSWER 10 OF 53 MEDLINE DUPLICATE 5
TI A comparative study on the integration of exogenous DNA into
mouse, rat,
rabbit, and pig genomes.
SO EXPERIMENTAL ANIMALS, (2001 Apr) 50 (2) 125-31.
Journal code: 9604830. ISSN: 1341-1357.

L64 ANSWER 11 OF 53 CAPLUS COPYRIGHT 2002 ACS
TI Mammary gland tissue-specific expression system using .beta.-
casein
promoter site of korean native goat
SO PCT Int. Appl., 48 pp.
CODEN: PIXXD2

L64 ANSWER 12 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI Genomic human lactoferrin sequence induced high levels of protein
expression in milk of transgenic mice.
SO Shimazaki, Kei-ichi; Tsuda, Hiroyuki; Tomita, Mamoru; Kuwata,
Tamotsu;
Perraudin, Jean-Paul. International Congress Series, (2000) No. 1195,
pp.
279-288. International Congress Series; Lactoferrin: Structure,
function
and applications. print.
Publisher: Elsevier Science B.V. Sara Burgerhartstraat 25, 1000 AE,
Amsterdam, Netherlands.
Meeting Info.: 4th International Conference on Lactoferrin:
Structure,
function and applications Sapporo, Japan May 18-22, 1999
ISSN: 0531-5131. ISBN: 0-444-50317-X (cloth).

L64 ANSWER 13 OF 53 MEDLINE DUPLICATE 6
TI Production of transgenic rabbits using centrifuged pronuclear
zygotes.
SO JOURNAL OF VETERINARY MEDICAL SCIENCE, (2000 Oct)
62 (10) 1047-52.
Journal code: 9105360. ISSN: 0916-7250.

L64 ANSWER 14 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI Associations between polymorphism within regulatory and coding

fragments
of bovine kappa-casein gene and milk performance traits.
SO Journal of Animal and Feed Sciences, (2000) Vol. 9, No. 3, pp.
435-446.
print.
ISSN: 1230-1388.

L64 ANSWER 15 OF 53 CAPLUS COPYRIGHT 2002 ACS
TI Multiple cis-acting elements regulated tissue type plasminogen
activator
cDNA expression in mammary gland of rabbit
SO Zhongguo Shouyi Xuebao (2000), 20(4), 352-355
CODEN: ZSXUF5; ISSN: 1005-4545

L64 ANSWER 16 OF 53 CAPLUS COPYRIGHT 2002 ACS
TI Genomic human lactoferrin sequence induced high levels of protein
expression in milk of transgenic mice
SO International Congress Series (2000), 1195(Lactoferrin: Structure,
Function and Applications), 279-288
CODEN: EXMDA4; ISSN: 0531-5131

L64 ANSWER 17 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI Growth of Bifidobacterium bifidum in whey-based media.
SO Journal of Industrial Microbiology & Biotechnology, (October,
2000) Vol.
25, No. 4, pp. 177-179. print.
ISSN: 1367-5435.

L64 ANSWER 18 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC. DUPLICATE
7
TI Comparison of selected gene polymorphisms in Polish Red and
Polish
Black-and-White cattle.
SO Animal Science Papers and Reports, (2000) Vol. 18, No. 2, pp.
107-116.
print.
ISSN: 0860-4037.

L64 ANSWER 19 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI SSCP polymorphism within a promoter of the bovine alpha S1
casein gene.
SO Journal of Animal and Feed Sciences, (2000) Vol. 9, No. 1, pp. 73-
79.
print.
ISSN: 1230-1388.

L64 ANSWER 20 OF 53 CAPLUS COPYRIGHT 2002 ACS
TI Analysis of the sequence on the promoter of .kappa.-
casein gene in Korean native cattle and Holsteins
SO Nongop Kwahak Yongu (Chungnam Taehakkyo) (2000), 27(1), 33-
38
CODEN: NKYOE7; ISSN: 1225-2220

L64 ANSWER 21 OF 53 CAPLUS COPYRIGHT 2002 ACS
TI Expression and characterization of bioactive human thrombopoietin
in the
milk of transgenic mice
SO DNA and Cell Biology (1999), 18(11), 845-852
CODEN: DCEBE8; ISSN: 1044-5498

L64 ANSWER 22 OF 53 MEDLINE DUPLICATE 8
TI High-level expression of human lactoferrin in milk of transgenic
mice
using genomic lactoferrin sequence.
SO JOURNAL OF BIOCHEMISTRY, (1999 Aug) 126 (2) 320-5.
Journal code: 0376600. ISSN: 0021-924X.

L64 ANSWER 23 OF 53 MEDLINE DUPLICATE 9
TI A hybrid bovine beta-casein/bGH gene directs transgene expression
to the
lung and mammary gland of transgenic mice.

SO TRANSGENIC RESEARCH, (1999 Aug) 8 (4) 307-11.
Journal code: 9209120. ISSN: 0962-8819.

L64 ANSWER 24 OF 53 CAPLUS COPYRIGHT 2002 ACS
TI Bovine .beta.-casein gene promoter activity
and hormonal induction of its expression in a mammary epithelial
cell line
SO Transgenics (1999), 3(1), 23-29
CODEN: TADTEF; ISSN: 1023-6171

L64 ANSWER 25 OF 53 MEDLINE DUPLICATE 10
TI Analysis of control elements for position-independent expression of
human
alpha-lactalbumin YAC.
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999
Sep) 54 (1) 17-23.
Journal code: 8903333. ISSN: 1040-452X.

L64 ANSWER 26 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC. DUPLICATE
11
TI Is lactoferrin a transcription factor? Computer-assisted search for
potential target genes and analysis of a sequence-specific DNA
binding.
SO Animal Science Papers and Reports, (1999) Vol. 17, No. 1, pp. 5-
21.
ISSN: 0860-4037.

L64 ANSWER 27 OF 53 MEDLINE DUPLICATE 12
TI Recombinant human acid alpha-glucosidase: high level production
in mouse
milk, biochemical characteristics, correction of enzyme deficiency in
GSDII KO mice.
SO HUMAN MOLECULAR GENETICS, (1998 Oct) 7 (11) 1815-24.
Journal code: 9208958. ISSN: 0964-6906.

L64 ANSWER 28 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI Expression and regulation of hFIX minigene and cDNA driven by
beta-casein
gene in mouse mammary gland.
SO Science in China Series C Life Sciences, (Aug., 1998) Vol. 41, No.
4, pp.
406-412.
ISSN: 1006-9305.

L64 ANSWER 29 OF 53 CAPLUS COPYRIGHT 2002 ACS
TI mammary gland bioreactor for human clotting factor IX
SO Fudan Xuebao, Ziran Kexueban (1998), 37(4), 365-371
CODEN: FHPTAY; ISSN: 0427-7104

L64 ANSWER 30 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI Transgenic mice carrying a gene for green fluorescent protein fused
to
lytic peptide Shiva 1 under control of the bovine beta-casein
regulatory
region.
SO Molecular Biology of the Cell, (Nov., 1998) Vol. 9, No. SUPPL.,
pp. 318A.
Meeting Info.: 38th Annual Meeting of the American Society for Cell
Biology San Francisco, California, USA December 12-16, 1998
American
Society for Cell Biology
. ISSN: 1059-1524.

L64 ANSWER 31 OF 53 MEDLINE DUPLICATE 13
TI Accurate spatial and temporal transgene expression driven by a
3.8-kilobase promoter of the bovine beta-casein gene in the lactating
mouse mammary gland.
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1998
Mar) 49 (3) 236-45.
Journal code: 8903333. ISSN: 1040-452X.

L64 ANSWER 32 OF 53 CAPLUS COPYRIGHT 2002 ACS
TI Cloning of human genomic lactoferrin sequence and expression in
the
mammary glands of transgenic animals
SO Advances in Experimental Medicine and Biology (1998),
443(Advances in
Lactoferrin Research), 79-83
CODEN: AEMBAP; ISSN: 0065-2598

L64 ANSWER 33 OF 53 MEDLINE DUPLICATE 14
TI The short form of the prolactin (PRL) receptor silences PRL
induction of
the beta-casein gene promoter.
SO MOLECULAR ENDOCRINOLOGY, (1997 Sep) 11 (10) 1449-57.
Journal code: 8801431. ISSN: 0888-8809.

L64 ANSWER 34 OF 53 CAPLUS COPYRIGHT 2002 ACS
TI Molecular cloning and sequencing of 5' flanking region of bovine
.alpha.S1
casein gene
SO Yichuan (1997), 19(1), 4-8
CODEN: ICHUDW; ISSN: 0253-9772

L64 ANSWER 35 OF 53 MEDLINE DUPLICATE 15
TI Characterization of the bovine kappa-casein gene
promoter.
SO BIOSCIENCE, BIOTECHNOLOGY, AND BIOCHEMISTRY,
(1996 Dec) 60 (12) 1937-40.
Journal code: 9205717. ISSN: 0916-8451.

L64 ANSWER 36 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI Factors affecting in vivo viability of DNA-injected bovine
blastocysts
produced in vitro.
SO Theriogenology, (1996) Vol. 46, No. 5, pp. 769-778.
ISSN: 0093-691X.

L64 ANSWER 37 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI Transfection of bovine beta-casein driven expression vector for a
lytic
peptide fusion protein and hormonal induction of its expression of
green
fluorescent protein in mouse mammary epithelial cells.
SO Molecular Biology of the Cell, (1996) Vol. 7, No. SUPPL., pp.
471A.
Meeting Info.: Annual Meeting of the 6th International Congress on
Cell
Biology and the 36th American Society for Cell Biology San
Francisco,
California, USA December 7-11, 1996
ISSN: 1059-1524.

L64 ANSWER 38 OF 53 CAPLUS COPYRIGHT 2002 ACS
TI Polymorphisms in the bovine .beta.-casein 5' flanking region
SO J. Dairy Sci. (1996), 79(3), 347-9
CODEN: JDSCAE; ISSN: 0022-0302

L64 ANSWER 39 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI Defining candidate genes for mastitis resistance in cattle: The role of
lactoferrin and lysozyme.
SO Journal of Animal Breeding and Genetics, (1996) Vol. 113, No. 4-
5, pp.
269-276.
ISSN: 0931-2668.

L64 ANSWER 40 OF 53 MEDLINE DUPLICATE 16
TI Transgene expression in mammary glands of newborn rats.
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1996
Feb) 43 (2) 145-9.
Journal code: 8903333. ISSN: 1040-452X.

L64 ANSWER 41 OF 53 MEDLINE DUPLICATE 17
 TI Functional activity of the human prolactin receptor and its ligands.
 SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1995
 Oct 30) 114 (1-2) 91-9.
 Journal code: 7500844. ISSN: 0303-7207.

L64 ANSWER 42 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL
 ABSTRACTS INC.
 TI Bovine beta-casein (BBC) gene promoter
 activity and hormonal induction (HI) of its expression in mammary
 epithelial cell (MEC) line.
 SO FASEB Journal, (1995) Vol. 9, No. 3, pp. A83.
 Meeting Info.: Experimental Biology 95, Part I Atlanta, Georgia,
 USA April
 9-13, 1995
 ISSN: 0892-6638.

L64 ANSWER 43 OF 53 MEDLINE DUPLICATE 18
 TI Isolation and culture of bovine mammary epithelial cells and
 establishment
 of gene transfection conditions in the cells.
 SO BIOSCIENCE, BIOTECHNOLOGY, AND BIOCHEMISTRY,
 (1995 Jan) 59 (1) 59-64.
 Journal code: 9205717. ISSN: 0916-8451.

L64 ANSWER 44 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL
 ABSTRACTS INC. DUPLICATE
 19
 TI Production of transgenic mice and rabbits that carry and express the
 human
 tissue plasminogen activator cDNA under the control of a bovine
 alpha S1 casein promoter.
 SO Theriogenology, (1993) Vol. 39, No. 5, pp. 1173-1185.
 ISSN: 0093-691X.

L64 ANSWER 45 OF 53 CAPLUS COPYRIGHT 2002 ACS
 TI Characterization of the bovine .alpha.S1-casein gene C-allele, based
 on a
 MaeIII polymorphism
 SO Anim. Genet. (1993), 24(1), 74
 CODEN: ANGE3; ISSN: 0268-9146

L64 ANSWER 46 OF 53 MEDLINE DUPLICATE 20
 TI Mammary gland-specific nuclear factor is present in lactating rodent
 and
 bovine mammary tissue and composed of a single polypeptide of 89
 kDa.
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 Aug 15) 267
 (23) 16365-70.
 Journal code: 2985121R. ISSN: 0021-9258.

L64 ANSWER 47 OF 53 CAPLUS COPYRIGHT 2002 ACS
 TI Multiple octamer binding sites in the promoter region of the bovine
 .alpha.s2-casein gene
 SO Nucleic Acids Res. (1992), 20(16), 4311-18
 CODEN: NARHAD; ISSN: 0305-1048

L64 ANSWER 48 OF 53 MEDLINE DUPLICATE 21
 TI A novel transcriptional enhancer is involved in the prolactin- and
 extracellular matrix-dependent regulation of beta-casein gene
 expression.
 SO MOLECULAR BIOLOGY OF THE CELL, (1992 Jun) 3 (6) 699-
 709.
 Journal code: 9201390. ISSN: 1059-1524.

L64 ANSWER 49 OF 53 CAPLUS COPYRIGHT 2002 ACS
 TI Production of heterologous polypeptides by recombinant cattle and
 transgenic methods
 SO PCT Int. Appl., 121 pp.
 CODEN: PIXXD2

L64 ANSWER 50 OF 53 CAPLUS COPYRIGHT 2002 ACS
 TI DNA constructs for expression of proteins in the mammary gland of
 transgenic mammals.

SO Eur. Pat. Appl., 41 pp.
 CODEN: EPXXDW

L64 ANSWER 51 OF 53 CAPLUS COPYRIGHT 2002 ACS
 TI Extracellular matrix and hormones transcriptionally regulate bovine
 .beta.-casein 5' sequences in stably transfected mouse mammary cells
 SO Proc. Natl. Acad. Sci. U. S. A. (1990), 87(23), 9118-22
 CODEN: PNASA6; ISSN: 0027-8424

L64 ANSWER 52 OF 53 CAPLUS COPYRIGHT 2002 ACS
 TI Expression of bovine .beta.-casein in Saccharomyces cerevisiae and
 characterization of the protein produced in vivo
 SO J. Agric. Food Chem. (1990), 38(4), 1134-41
 CODEN: JAFCAU; ISSN: 0021-8561

L64 ANSWER 53 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL
 ABSTRACTS INC. DUPLICATE
 22
 TI IDENTIFICATION OF THE BINDING SITES OF NUCLEAR
 FACTOR 1 IN THE AREA OF
 BOVINE BETA CASEIN GENE.
 SO DOKL AKAD NAUK SSSR, (1990) 315 (4), 997-1000.
 CODEN: DANKAS. ISSN: 0002-3264.

=> d ibib ab 50,49,35,34,24

L64 ANSWER 50 OF 53 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1992:52980 CAPLUS
 DOCUMENT NUMBER: 116:52980
 TITLE: DNA constructs for expression of proteins in the
 mammary gland of transgenic mammals.
 INVENTOR(S): Hartl, Peter; Brem, Gottfried
 PATENT ASSIGNEE(S): Consortium fuer Elektrochemische
 Industrie G.m.b.H.,
 Germany

SOURCE: Eur. Pat. Appl., 41 pp.
 CODEN: EPXXDW

DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 451823	A2	19911016	EP 1991-105702	19910410
EP 451823	A3	19920122		
R: AT, BE, CH, DE, ES, FR, GB, IT, LL, NL, SE				
DE 4012526	A1	19911114	DE 1990-4012526	19900419
JP 04365487	A2	19921217	JP 1991-74897	19910408
CA 2040178	AA	19911012	CA 1991-2040178	19910410
AU 9174233	A1	19911017	AU 1991-74233	19910410
HU 58817	A2	19920330	HU 1991-1190	19910411
PRIORITY APPLN. INFO.:			DE 1990-4011751	19900411
			DE 1990-4012526	19900419

AB Expression plasmids for use in the manuf. of heterologous proteins
 in milk

have an expression cassette contg. a casein gene promoter and signal
 sequence. The bovine .alpha.-S1 casein gene was cloned from a
 Sau3AI
 partial bank in EMBL3 using amino acid sequence-derived probes.

A
 bovine rennin gene was placed under control of the casein
 gene promoter and the casein gene signal sequence was
 used to direct secretion of the rennin into the milk. Expression of the
 gene in transgenic rabbits resulted in the recovery of milk that
 coagulated after incubating at pH 2.5 to allow self-activation of
 rennin.

L64 ANSWER 49 OF 53 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1991:625431 CAPLUS
 DOCUMENT NUMBER: 115:225431
 TITLE: Production of heterologous polypeptides by
 recombinant

cattle and transgenic methods
 INVENTOR(S): Heyneker, Herbert L.; Deboer, Herman A.; Strijker,
 Rein; Plantenburg, Gerard; Lee, Sang He
 PATENT ASSIGNEE(S): Genpharm International, Inc., USA
 SOURCE: PCT Int. Appl., 121 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9108216	A1	19910613	WO 1990-US6874	19901130
W: AU, BR, CA, FI, JP, KR, LK, MC, NO, SU				
RW: AT, BE, BF, BJ, CF, CG, CH, CM, DE, DK, ES, FR, GA, GB, GR, IT, LU, ML, MR, NL, SE, SN, TD, TG				
CA 2075206	AA	19910602	CA 1990-2075206	19901130
AU 9169608	A1	19910626	AU 1991-69608	19901130
AU 656720	B2	19950216		
EP 502976	A1	19920916	EP 1991-901026	19901130
EP 502976	B1	19960703		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
AT 140027	E	19960715	AT 1991-901026	19901130
EP 737746	A2	19961016	EP 1995-203326	19901130
EP 737746	A3	19961023		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
ES 2090299	T3	19961016	ES 1991-901026	19901130
RU 2095414	C1	19971110	RU 1990-5052392	19901130
CN 1053446	A	19910731	CN 1990-109733	19901201
NO 9202996	A	19920729	NO 1992-2996	19920729
FI 9203485	A	19920731	FI 1992-3485	19920731
US 5633076	A	19970527	US 1993-154019	19931116
US 5741957	A	19980421	US 1995-461333	19950605
US 6013857	A	20000111	US 1995-464167	19950605
US 6140552	A	20001031	US 1995-476798	19950607
US 6066725	A	20000523	US 1998-158313	19980921
PRIORITY APPLN. INFO.: US 1989-444745 A 19891201				
US 1990-619131 A 19901127				
EP 1991-901026 A3 19901130				
WO 1990-US6874 A 19901130				
US 1992-898956 B2 19920615				
US 1993-77788 B2 19930615				
US 1993-154019 A3 19931116				
US 1995-476798 A1 19950607				

AB A method for prep. transgenic cows which secrete recombinant proteins into their milk is described. The gene to be expressed in mammary tissue is fused to a mammary tissue-specific promoter, e.g. that of the casein gene, a signal sequence, and a 3' flanking sequence functional in cattle. The chimeric gene is first methylated, e.g. by cloning it in a prokaryotic host. Fertilized oocytes are then transformed with this gene, and the fertilized oocytes are cultured to the preimplantation embryo stage. A cell is removed from the embryo to test for the presence of the desired gene: the chimeric methylated gene is resistant to restriction endonuclease cleavage. The hemiembryo remaining after removing the cell is cloned to prep. multiple embryos which are implanted into a cow to produce transgenic offspring. The milk from the transgenic cows can be used in food formulations, esp. infant formulas. A chimeric gene comprising human lactoferrin cDNA flanked by bovine .alpha.S1-casein promoter and signal sequence and 3' regions was prep. Transgenic cows secreting lactoferrin into their milk were produced using this gene according to the above procedure.

L64 ANSWER 35 OF 53 MEDLINE DUPLICATE 15
 ACCESSION NUMBER: 97142507 MEDLINE
 DOCUMENT NUMBER: 97142507 PubMed ID: 8988626
 TITLE: Characterization of the bovine kappa-casein gene promoter.
 AUTHOR: Adachi T; Ahn J Y; Yamamoto K; Aoki N; Nakamura R; Matsuda T
 CORPORATE SOURCE: Department of Applied Biological Sciences, School of

Agricultural Sciences, Nagoya University, Japan..
 145231a@nuc. cc.nagoya-u.ac.jp
 SOURCE: BIOSCIENCE, BIOTECHNOLOGY, AND BIOCHEMISTRY, (1996 Dec) 60
 (12) 1937-40.
 Journal code: 9205717. ISSN: 0916-8451.
 PUB. COUNTRY: Japan
 Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Biotechnology
 ENTRY MONTH: 199702
 ENTRY DATE: Entered STN: 19970305
 Last Updated on STN: 19970305
 Entered Medline: 19970220

AB kappa-Casein gene promoter was localized within a 570-bp fragment (-552/+18) of a 5'-flanking region by the gene transfection assay. Deletion mutation analysis in mammary epithelial cell line, HC11, suggested that there are regulatory element in a region from -439 through -125. Some nuclear proteins from lactating rat mammary gland bind to this region specifically. One of them expressed preferentially during pregnancy bound to a 132-bp fragment (-439/-308) and another expressed preferentially during lactation bound to a 183-bp fragment (-307/-125).

L64 ANSWER 34 OF 53 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1997:532914 CAPLUS
 DOCUMENT NUMBER: 127:230164
 TITLE: Molecular cloning and sequencing of 5' flanking region of bovine .alpha.S1 casein gene
 AUTHOR(S): Li, Ning; Wu, Changxin; Chen, Yongfu
 CORPORATE SOURCE: Natl. Lab. Agrobiotechnol., China Agric. Univ.,

Beijing, 100094, Peop. Rep. China
 SOURCE: Yichuan (1997), 19(1), 4-8
 CODEN: ICHUDW; ISSN: 0253-9772
 PUBLISHER: Kexue
 DOCUMENT TYPE: Journal
 LANGUAGE: Chinese
 AB A recombinant bacteriophage contg. the 5' flanking region of bovine .alpha.S1 casein gene was isolated from a bovine genomic library constructed with bacteriophage .lambda.EMBL3. The nucleotide sequence ranging from +298 to -1082 of bovine .alpha.S1 casein gene was detd. with a DNA sequencer. The putative binding sites of mammary gland specific transcriptional factors and general nuclear transcriptional factors in bovine .alpha.S1 casein gene were detd. by consensus sequence comparison with other milk genes from bovine and other animal species. The potential utilization of bovine .alpha.S1 casein gene promoter is discussed.

L64 ANSWER 24 OF 53 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:55011 CAPLUS
 DOCUMENT NUMBER: 132:232285
 TITLE: Bovine .beta.-casein gene

promoter activity and hormonal induction of its expression in a mammary epithelial cell line

AUTHOR(S): Ashktorab, H.; Reed, W. A.; Thonabulsombat, C.; White, K. L.

CORPORATE SOURCE: Department of Animal, Dairy and Veterinary Sciences, Biotechnology Center, Utah State University, Logan, UT, 84322-4815, USA

SOURCE: Transgenics (1999), 3(1), 23-29
CODEN: TADTEF; ISSN: 1023-6171

PUBLISHER: Harwood Academic Publishers

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Caseins are the most abundant milk proteins. During lactation, high amts. of milk protein are produced in mammary epithelial cells under the regulation of lactogenic hormones. We have investigated hormonal induction of the bovine .beta.-casein gene promoter in the mouse mammary epithelial cell line HC11. A fragment of the promoter contg. -310 to +140 bp of 5' flanking sequence was placed upstream of the chloramphenicol acetyl transferase reporter gene and stably transfected by lipofectin into HC11 cells. The expression of the .beta.-casein-chloramphenicol acetyl transferase chimeric gene needed the synergistic action of insulin, hydrocortisone, and prolactin. The chloramphenicol acetyl transferase activity was 6.8-fold greater in hormonally induced vs. uninduced transfected cells as measured by a fluor diffusion assay using whole cell lysates. However, no hormonal induction was detected on the expression of the chloramphenicol acetyl transferase gene under control of the Simian virus-40 early promoter. The DNA sequence of the 5' flanking region of the bovine .beta.-casein promoter is conserved in several species, confirming its importance in the regulation of milk gene transcription. These results identify the location of the hormone regulatory region in bovine .beta.-casein gene and confirm control of its expression by a mouse mammary epithelial cell line.

REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
ENTRY	SESSION	
FULL ESTIMATED COST	180.64	181.48

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
ENTRY	SESSION	
CA SUBSCRIBER PRICE	-3.72	-3.72

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SESSION RESUMED IN FILE 'MEDLINE, BIOSIS, CAPLUS' AT 09:42:52 ON 18 JUL 2002
FILE 'MEDLINE' ENTERED AT 09:42:52 ON 18 JUL 2002
FILE 'BIOSIS' ENTERED AT 09:42:52 ON 18 JUL 2002
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
ENTRY	SESSION	
FULL ESTIMATED COST	181.03	181.87

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
ENTRY	SESSION	
CA SUBSCRIBER PRICE	-3.72	-3.72

=> d his

(FILE 'HOME' ENTERED AT 08:52:14 ON 18 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 08:54:42 ON 18 JUL 2002

L1	0 S CASEIN ADJ PROMOTER
L2	480 S CASEIN(2A)PROMOTER
L3	17 S WHEY ACID(2A)PROMOTER
L4	31 S ?LACTALBUMIN(2A)PROMOTER
L5	0 S ?LACTOALBUMIN(2A)PROMOTER
	E LACTOALBUMIN
	E LACTALBUMIN
L6	178 S LACTOGLOBULIN(2A)PROMOTER
L7	678508 S PIG OR PORCINE
L8	762760 S CATTLE OR COW OR BOVINE
L9	135902 S HORSE OR EQUINE
L10	71287 S GOAT
L11	6428 S CAMEL
L12	282040 S SHEEP OR OVINE
L13	5324583 S RODENT OR MOUSE OR RAT OR MURINE
L14	6 S L7(S)L2
L15	0 S L7(S)L3
L16	2 S L7(S)L4
L17	1 S L7(S)L6
L18	92 S L8(S)L2
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L21	24 S L8(S)L6
L22	0 S L9(S)L2
L23	0 S L9(S)L3
L24	0 S L9(S)L4
L25	0 S L9(S)L6
L26	17 S L10(S)L2
L27	2 S L10(S)L3
L28	0 S L10(S)L4
L29	14 S L10(S)L6
L30	0 S L11(S)L2
L31	0 S L11(S)L3
L32	0 S L11(S)L4
L33	0 S L11(S)L6
L34	13 S L12(S)L2
L35	13 S L12(S)L3
L36	2 S L12(S)L4
L37	4 S L12(S)L6
L38	74 S L12(S)L6
L39	200 S L13(S)L2
L40	15 S L13(S)L3
L41	21 S L13(S)L4
L42	77 S L13(S)L6
L43	119 S HUMAN(S)L2
L44	14 S HUMAN(S)L3
L45	7 S HUMAN(S)L4
L46	53 S HUMAN(S)L6

L47 1913 S CASEIN(2A)GENE
 L48 27 S WHEY ACID(2A)GENE
 L49 275 S LACTALBUMIN(2A)GENE
 L50 444 S LACTOGLOBULIN(2A)GENE
 L51 1 S L7(S)L48
 L52 0 S L9(S)L47
 L53 0 S L9(S)L48
 L54 0 S L9(S)L49
 L55 6 S L9(S)L50
 L56 18 S L10(S)L49
 L57 2 S L11(S)L47
 L58 0 S L11(S)L48
 L59 2 S L11(S)L49
 L60 0 S L11(S)L50
 L61 3 DUP REM L14 (3 DUPLICATES REMOVED)
 L62 2 DUP REM L16 (0 DUPLICATES REMOVED)
 L63 11 DUP REM L21 (13 DUPLICATES REMOVED)
 L64 53 DUP REM L18 (39 DUPLICATES REMOVED)

=> dup rem l19

PROCESSING COMPLETED FOR L19

L65 1 DUP REM L19 (0 DUPLICATES REMOVED)

=> d ti so

L65 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

TI The effect of matrix attached regions (MAR) and specialized chromatin

structure (SCS) on the expression of gene constructs in cultured cells and

in transgenic mice

SO Mol. Biol. Rep. (1996), Volume Date 1995-1996, 22(1), 37-46

CODEN: MLBRBU; ISSN: 0301-4851

=> d ibib ab

L65 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1996:499830 CAPLUS

DOCUMENT NUMBER: 125:134741

TITLE: The effect of matrix attached regions (MAR) and specialized chromatin structure (SCS) on the expression of gene constructs in cultured cells and in transgenic mice

AUTHOR(S): Attal, Joe; Cajero-Juarez, Marco; Petitclerc, Denis;

Theron, Marie-Claire; Stinnakre, Marie-Georges; Bearzotti, Monique; Kann, Guy; Houdebine, Louise-

Marie
 CORPORATE SOURCE: Unite Differentiation Cell., Lennoxville, PQ, JIM 123,

Can.

SOURCE: Mol. Biol. Rep. (1996), Volume Date 1995-1996, 22(1),

37-46

CODEN: MLBRBU; ISSN: 0301-4851

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The flanking sequences of several genes have been shown to direct a

position-independent expression of transgenes. Attempts to completely

identify the insulating sequences have failed so far. Some of these sequences contain a matrix attached region (MAR) located on the flanking

part of the genes. This article will show that the MARs in cultured cells

located in the 3' OH region of the human apolipoprotein B100 (Apo B100)

and within the SV40 genome were unable to stimulate and insulate transgene

expression directed by the promoters from a rabbit whey acidic protein

(WAP) gene or from human cytomegalovirus (hCMV) early genes.

In

transgenic mice, the MAR from the APO B100 and SV40 genes did not enhance

the expression of a transgene contg. the rabbit whey acid protein (WAP) promoter, the late gene SV40 intron (VP1 intron), the bovine growth hormone (bGH) cDNA and the SV40

late gene terminator. This construct was even toxic for embryos. Similarly, the specialized chromatin structure (SCS) from the

Drosophila

87A7 HSP70 gene reduced chloramphenicol acetyl transferase (CAT) activity

when added between a cytomegalovirus (CMV) enhancer and a Herpes simplex

thymidine kinase (TK) gene promoter. This inhibitory action was almost

complete when a second SCS sequence was added before the CMV enhancer.

Sequences from the firefly luciferase and from the human gene cathepsin D

cDNA used as control unexpectedly showed a similar inhibitory effect when

added to the CMVTKCAT construct instead of SCS. When added before the CMV

enhancer and after the transcription terminator in the CMVTKCAT construct,

the SCS sequence was unable to insulate the integrated gene as seen by the

fact that the level of CAT in cell exts. were by no means correlated with

the no. of copies in individual clones. From these data, it is concluded

that (i) a MAR contg. the canonical AT rich sequences does not amplify the

expression of all gene constructs (ii) AT rich MAR sequences do not have

per se an insulating effect (iii) Drosophila SCS from the 87A7 HSP70 gene

has no insulating effect in all gene constructs (at least in mammalian cells) (iv) the addn. of a DNA fragment between an enhancer and a promoter

in a gene construct cannot be used as a reliable test to evaluate its insulating property.

=> dup rem l20

PROCESSING COMPLETED FOR L20

L66 11 DUP REM L20 (5 DUPLICATES REMOVED)

=> d ti so 1-11

L66 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2002 ACS

TI Construction of retroviral vectors with novel regulatory elements for expressing proteins in a mammalian cell

SO PCT Int. Appl., 151 pp.

CODEN: PIXXD2

L66 ANSWER 2 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Transgenic overexpression of insulin-like growth factor-I in milk of swine

using the bovine alpha-lactalbumin promoter and regulatory regions.

SO FASEB Journal, (March 15, 2000) Vol. 14, No. 4, pp. A507. print Meeting Info.: Annual Meeting of Professional Research Scientists:

Experimental Biology 2000 San Diego, California, USA April 15-18, 2000

Federation of American Societies for Experimental Biology
 ISSN: 0892-6638.

L66 ANSWER 3 OF 11 MEDLINE

DUPLICATE 1

TI Analysis of control elements for position-independent expression of human

alpha-lactalbumin YAC.

SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999
Sep) 54 (1) 17-23.

Journal code: 8903333. ISSN: 1040-452X.

L66 ANSWER 4 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI Production of transgenic pigs and mice containing the gene
encoding human

insulin-like growth factor I (IGF-I) under control of the bovine
alpha-lactalbumin promoter and regulatory regions.

SO Journal of Dairy Science, (1998) Vol. 81, No. SUPPL. 1, pp. 213.

Meeting Info.: Joint Meeting of the American Dairy Science
Association and
the American Society of Animal Science Denver, Colorado, USA
July 28-31,

1998 American Society of Animal Science
ISSN: 0022-0302.

L66 ANSWER 5 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC. DUPLICATE

2

TI Genetic modification of bovine beta-casein and its expression in the
milk

of transgenic mice.

SO Journal of Agricultural and Food Chemistry, (1996) Vol. 44, No. 3,
pp.

953-960.

ISSN: 0021-8561.

L66 ANSWER 6 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI Binding of nuclear proteins to the bovine alpha-
lactalbumin gene promoter.

SO Proceedings of the New Zealand Society of Animal Production,
(1996) Vol.

56, No. 0, pp. 68-70.

ISSN: 0370-2731.

L66 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2002 ACS

TI Modified .alpha.-lactalbumins containing few or no phenylalanines
for

dietary supplementation in hyperphenylalaninemia

SO PCT Int. Appl., 77 pp.

CODEN: PIXXD2

L66 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS

TI Bovine alpha-lactalbumin gene promoter and
its use in protein manufacture with transgenic female mammals

SO PCT Int. Appl., 58 pp.

CODEN: PIXXD2

L66 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS

TI Sequence and single-base polymorphisms of the bovine .alpha.-
lactalbumin

5'-flanking region

SO Gene (1993), 126(2), 213-18

CODEN: GENED6; ISSN: 0378-1119

L66 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2002 ACS

TI The bovine .alpha.-lactalbumin promoter
directs expression of ovine trophoblast interferon in the mammary
gland of

transgenic mice [Erratum to document cited in CA115(7):66096k]

SO FEBS Lett. (1991), 288(1-2), 247

CODEN: FEBLAL; ISSN: 0014-5793

L66 ANSWER 11 OF 11 MEDLINE

DUPLICATE 3

TI The bovine alpha-lactalbumin promoter
directs expression of ovine trophoblast interferon in the mammary
gland of

transgenic mice.

SO FEBS LETTERS, (1991 Jun 17) 284 (1) 19-22.

Journal code: 0155157. ISSN: 0014-5793.

=> d ibib ab 11,8,4,2

L66 ANSWER 11 OF 11 MEDLINE

DUPLICATE 3

ACCESSION NUMBER: 91285097 MEDLINE

DOCUMENT NUMBER: 91285097 PubMed ID: 2060621

TITLE: The bovine alpha-lactalbumin

promoter directs expression of ovine trophoblast
interferon in the mammary gland of transgenic mice.

COMMENT: Erratum in: FEBS Lett 1991 Aug 19;288(1-2):247

AUTHOR: Stinnakre M G; Vilotte J L; Soulier S; L'Haridon R;

Charlier M; Gaye P; Mercier J C

CORPORATE SOURCE: Laboratoire de Physiologie Comparee,
Universite Paris VI,

France.

SOURCE: FEBS LETTERS, (1991 Jun 17) 284 (1) 19-22.

Journal code: 0155157. ISSN: 0014-5793.

PUB. COUNTRY: Netherlands

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199108

ENTRY DATE: Entered STN: 19910825

Last Updated on STN: 19910825

Entered Medline: 19910802

AB A hybrid construct derived from ovine trophoblastin cDNA and
bovine

alpha-lactalbumin-encoding gene, was injected into the pronuclei of
mouse

eggs. In one of the resulting transgenic mouse lines, expression of the
hybrid construct was detected and found to be limited to the
mammary gland

of lactating females which secreted active ovine trophoblastin. This
strongly suggests that important cis-acting DNA sequences involved
in

tissue-specific expression of the bovine gene are located within the
second half of the 3' untranslated region, or/and the proximal 5' and 3'
regions flanking the transcriptional unit.

L66 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:227545 CAPLUS

DOCUMENT NUMBER: 118:227545

TITLE: Bovine alpha-lactalbumin gene

promoter and its use in protein manufacture
with transgenic female mammals

INVENTOR(S): Bleck, Gregory T.; Bremel, Robert D.

PATENT ASSIGNEE(S): Wisconsin Milk Marketing Board, USA

SOURCE: PCT Int. Appl., 58 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9304165	A1	19930304	WO 1992-US6549	19920806
W: AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU,				
JP, KP,				
KR, LK, LU, MG, MN, MW, NL, NO, PL, RO, RU, SD, SE				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL,				
SE, BF,				
BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
CA 2093659	AA	19930214	CA 1992-2093659	19920806
AU 9224119	A1	19930316	AU 1992-24119	19920806
AU 663101	B2	19950928		
EP 555435	A1	19930818	EP 1992-916978	19920806
EP 555435	B1	19991013		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL,				
SE				
JP 06502550	T2	19940324	JP 1993-504341	19920806
AT 185596	E	19991015	AT 1992-916978	19920806
US 5530177	A	19960625	US 1993-71601	19930604
US 5850000	A	19981215	US 1996-621100	19960322

PRIORITY APPLN. INFO.: US 1991-744765 19910813

WO 1992-US6549 19920806

US 1993-71601 19930604

AB A variant of the bovine .alpha.-lactalbumin promoter which correlates with good milk prodn. is claimed. Transgenic female mice contg. the bovine .alpha.-lactalbumin gene contg. this variation produced high levels of .alpha.-lactalbumin (>1 mg/mL) in their milk. Three other potentially significant variations in the steroid response element and RNA polymerase binding region were noted.

L66 ANSWER 4 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1998:532816 BIOSIS

DOCUMENT NUMBER: PREV199800532816

TITLE: Production of transgenic pigs and mice containing the gene

encoding human insulin-like growth factor I (IGF-I) under control of the bovine alpha-lactalbumin promoter and regulatory regions.

AUTHOR(S): Bleck, G. T. (1); Monaco, M. H.; Donovan, S. M.; Wheeler,

M. B. (1)

CORPORATE SOURCE: (1) Dep. Animal Sci., Univ. Ill., Urbana, IL USA

SOURCE: Journal of Dairy Science, (1998) Vol. 81, No.

SUPPL. 1, pp.

213.

Meeting Info.: Joint Meeting of the American Dairy Science Association and the American Society of Animal Science Denver, Colorado, USA July 28-31, 1998 Amercian Society

of

Animal Science

. ISSN: 0022-0302.

DOCUMENT TYPE: Conference

LANGUAGE: English

L66 ANSWER 2 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2000:311319 BIOSIS

DOCUMENT NUMBER: PREV200000311319

TITLE: Transgenic overexpression of insulin-like growth factor-I

in milk of swine using the bovine alpha-lactalbumin promoter and regulatory regions.

AUTHOR(S): Monaco, M. H. (1); Bleck, G. T.; Cook, J. B.; Wheeler, M.

B.; Donovan, S. M.

CORPORATE SOURCE: (1) Dept. Food Sci. and Human Nutr., Univ. IL, Urbana, IL,

61801 USA

SOURCE: FASEB Journal, (March 15, 2000) Vol. 14, No. 4, pp. A507.

print.

Meeting Info.: Annual Meeting of Professional Research Scientists: Experimental Biology 2000 San Diego, California, USA April 15-18, 2000 Federation of American Societies for Experimental Biology

. ISSN: 0892-6638.

DOCUMENT TYPE: Conference

LANGUAGE: English

SUMMARY LANGUAGE: English

=> dup rem l21

PROCESSING COMPLETED FOR L21

L67 11 DUP REM L21 (13 DUPLICATES REMOVED)

=> d ti so 1-11

L67 ANSWER 1 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Transgenic non-human mammals expressing human coagulation factor VIII and

von Willebrand factor.

SO Official Gazette of the United States Patent and Trademark Office Patents,

(July 3, 2001) Vol. 1248, No. 1, pp. No Pagination. e-file.

ISSN: 0098-1133.

L67 ANSWER 2 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

1

TI Sequence analysis of beta-lactoglobulin promoter in Korean cattle.

SO Journal of Animal Science and Technology, (August, 2000) Vol. 42, No. 4,

pp. 443-450. print.

ISSN: 0367-5807.

L67 ANSWER 3 OF 11 MEDLINE

DUPLICATE 2

TI Expression of a functional mouse-human chimeric anti-CD19 antibody in the

milk of transgenic mice.

SO TRANSGENIC RESEARCH, (2000 Apr) 9 (2) 155-9.

Journal code: 9209120. ISSN: 0962-8819.

L67 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2002 ACS

TI Preparation of human growth hormone by expressing it in mammary glands of

transgenic animals

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 20 pp.

CODEN: CNXXEV

L67 ANSWER 5 OF 11 MEDLINE

DUPLICATE 3

TI Differential expression of bovine beta-lactoglobulin A and B promoter

variants in transiently transfected HC11 cells.

SO JOURNAL OF DAIRY RESEARCH, (1999 Nov) 66 (4) 537-44.

Journal code: 2985125R. ISSN: 0022-0299.

L67 ANSWER 6 OF 11 MEDLINE

DUPLICATE 4

TI Use of doxycycline-controlled gene expression to reversibly alter milk-protein composition in transgenic mice.

SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1999 Mar) 260 (2) 533-9.

Journal code: 0107600. ISSN: 0014-2956.

L67 ANSWER 7 OF 11 MEDLINE

DUPLICATE 5

TI Polymorphisms of bovine beta-lactoglobulin promoter and differences in the binding affinity of activator protein-2 transcription factor.

SO JOURNAL OF DAIRY SCIENCE, (1997 Jul) 80 (7) 1389-97.

Journal code: 2985126R. ISSN: 0022-0302.

L67 ANSWER 8 OF 11 MEDLINE

DUPLICATE 6

TI Targeted expression of MDM2 uncouples S phase from mitosis and inhibits

mammary gland development independent of p53.

SO GENES AND DEVELOPMENT, (1997 Mar 15) 11 (6) 714-25.

Journal code: 8711660. ISSN: 0890-9369.

L67 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS

TI Polymorphism in the 5' flanking region of the bovine-lactoglobulin-encoding gene and its association with .beta.-lactoglobulin in the milk

SO Journal of Animal Breeding and Genetics (1997), 114(1), 49-53

CODEN: JABAE8; ISSN: 0931-2668

L67 ANSWER 10 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Functional analysis of the differential expression of bovine beta-lactoglobulin A and B promoter variants in transient transfection of

HC11 cells.

SO Animal Genetics, (1996) Vol. 27, No. SUPPL. 2, pp. 90.

Meeting Info.: 25th International Conference on Animal Genetics
Tours,
France July 21-25, 1996
ISSN: 0268-9146.

L67 ANSWER 11 OF 11 MEDLINE DUPLICATE 7
TI Epithelial proliferation and differentiation in the mammary gland do
not
correlate with cFABP gene expression during early pregnancy.
SO DEVELOPMENTAL GENETICS, (1995) 17 (2) 167-75.
Journal code: 7909963. ISSN: 0192-253X.

=> d ibib ab 1

'L' IS NOT A VALID FORMAT

In a multibase environment, a format can only be used if it is valid
in at least one of the files. Refer to file specific help messages
or the STNGUIDE file for information on formats available in
individual files.

REENTER DISPLAY FORMAT FOR ALL FILES
(FILEDEFAULT):end

=> d ibib ab 1

L67 ANSWER 1 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

ACCESSION NUMBER: 2001:356360 BIOSIS

DOCUMENT NUMBER: PREV200100356360

TITLE: Transgenic non-human mammals expressing human
coagulation

factor VIII and von Willebrand factor.

AUTHOR(S): Lubon, Henryk (1); Drohan, William N.; Velandar,
William H.

CORPORATE SOURCE: (1) Rockville, MD USA

ASSIGNEE: American National Red Cross; Virginia

Polytechnic

Institute & State University, Blacksburg, VA, USA

PATENT INFORMATION: US 6255554 July 03, 2001

SOURCE: Official Gazette of the United States Patent and
Trademark

Office Patents, (July 3, 2001) Vol. 1248, No. 1, pp. No
Pagination. e-file.
ISSN: 0098-1133.

DOCUMENT TYPE: Patent

LANGUAGE: English

AB A non-human transgenic mammalian animal, as described above,
contains an

exogenous double stranded DNA sequence stably integrated into the
genome

of the animal, which comprises cis-acting regulatory units operably
linked

to a DNA sequence encoding human Factor VIII protein and a signal
peptide,

where the cis-acting regulatory units are active in mammary gland
cells

and the signal peptide is active in directing newly expressed Factor
VIII

into the milk of the animal. The promoter may be a milk protein
promoter

such as for whey acidic protein, casein, lactalbumin, or beta-
lactoglobulin promoter. The transgenic mammals are
preferably farm animals, for example, cows, goats, sheep,
rabbits and pigs. Concurrent expression of a gene for human von
Willebrand's Factor into milk may be used to stabilize newly-secreted
Factor VIII.

=> dup rem l26

PROCESSING COMPLETED FOR L26

L68 14 DUP REM L26 (3 DUPLICATES REMOVED)

=> d ti so 1-14

L68 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI High expression of human FIX(hFIX) in transgenic mice directed by
goat .beta.-casein gene promoter

SO Yichuan Xuebao (2002), 29(3), 206-211

CODEN: ICHPCG; ISSN: 0379-4172

L68 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI High expression of human serum albumin in milk of transgenic mice
directed

by the goat .beta.-casein gene promoter
region

SO Chinese Science Bulletin (2001), 46(7), 582-586

CODEN: CSBUEF; ISSN: 1001-6538

L68 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI Tissue specific expression of human serum albumin gene using goat
.beta.-casein gene promoter in mouse tissue

SO Yichuan (2001), 23(6), 518-520

CODEN: ICHUDW; ISSN: 0253-9772

L68 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI Mammary gland tissue-specific expression system using .beta.-
casein promoter site of korean native goat

SO PCT Int. Appl., 48 pp.

CODEN: PIXXD2

L68 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI A study of transgenic cattle expressing human serum albumin gene

SO Yichuan Xuebao (2000), 27(7), 573-579

CODEN: ICHPCG; ISSN: 0379-4172

L68 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI Human serum albumin (hALB) transient expression in goat milk
after direct

transfer of hALB expressing vector into mammary gland

SO Zhongguo Shouyi Xuebao (2000), 20(5), 419-422

CODEN: ZSXUF5; ISSN: 1005-4545

L68 ANSWER 7 OF 14 MEDLINE DUPLICATE 1

TI Production of biologically active human granulocyte colony
stimulating

factor in the milk of transgenic goat.

SO TRANSGENIC RESEARCH, (2000 Jun) 9 (3) 215-22.

Journal code: 9209120. ISSN: 0962-8819.

L68 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI Chimeric genes for human erythropoietin analog-human serum
albumin fusion

proteins and their use in drug preparation and gene therapy

SO PCT Int. Appl., 61 pp.

CODEN: PIXXD2

L68 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI Production of complex human pharmaceuticals in the milk of
transgenic

goats using the goats beta casein

promoter

SO Transgenic Animals (1997), 465-467. Editor(s): Houdebine, Louis
Marie.

Publisher: Harwood, Amsterdam, Neth.

CODEN: 66IFA3

L68 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI Cloning and restriction mapping of goat .beta.-casein gene

SO Guoli Zhongxing Daxue Nonglin Xuebao (1996), 45(1), 83-93

CODEN: NLHPAU; ISSN: 0550-3744

L68 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI Structural Features of the 5' Flanking Region of the Caprine
.kappa.-Casein Gene

SO J. Dairy Sci. (1995), 78(5), 973-7

CODEN: JDSCAE; ISSN: 0022-0302

L68 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI High-level, stage- and mammary-tissue-specific expression of a

caprine
kappa-casein-encoding minigene driven by a .beta.-casein promoter
in
transgenic mice
SO Gene (1995), 165(2), 291-6
CODEN: GENED6; ISSN: 0378-1119

L68 ANSWER 13 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI High level expression of tissue plasminogen activator using the
goat beta-casein promoter.

SO FASEB Journal, (1993) Vol. 7, No. 7, pp. A1223.
Meeting Info.: Joint Meeting of the American Society for
Biochemistry and
Molecular Biology and American Chemical Society Division of
Biological
Chemistry San Diego, California, USA May 30-June 3, 1993
ISSN: 0892-6638.

L68 ANSWER 14 OF 14 MEDLINE DUPLICATE 2
TI Production of cystic fibrosis transmembrane conductance regulator
in the
milk of transgenic mice.
SO BIO/TECHNOLOGY, (1992 Jan) 10 (1) 74-7.
Journal code: 8309273. ISSN: 0733-222X.

=> d ibib ab 9,7,4

L68 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1998:410202 CAPLUS
DOCUMENT NUMBER: 129:171153

TITLE: Production of complex human pharmaceuticals in the
milk of transgenic goats using the
goats beta casein promoter

AUTHOR(S): DiTullio, P.; Ebert, K. M.; Pollock, J.; Edmunds,
T.;

Meade, H. M.
CORPORATE SOURCE: Sch. of Med., Dental Med. and
Veterinary Med., Tufts

Univ., Grafton, MA, 01536, USA
SOURCE: Transgenic Animals (1997), 465-467. Editor(s):
Houdebine, Louis Marie. Harwood: Amsterdam, Neth.
CODEN: 66IFA3

DOCUMENT TYPE: Conference
LANGUAGE: English

AB The data shows that the goat beta casein
promoter is capable of directing high level expression of a
heterologous protein to the mammary gland of transgenic goat.
The promoter appears unique in its ability to achieve g/L expression
levels from a cDNA construct characterization of the transgenic
LatPA
levels revealed the protein to be fully glycosylated with some
differences
in monosaccharide content whose effect on protein function in vivo is
presently unknown.

L68 ANSWER 7 OF 14 MEDLINE DUPLICATE 1
ACCESSION NUMBER: 2000479774 MEDLINE
DOCUMENT NUMBER: 20485119 PubMed ID: 11032370
TITLE: Production of biologically active human granulocyte
colony

stimulating factor in the milk of transgenic goat.
AUTHOR: Ko J H; Lee C S; Kim K H; Pang M G; Koo J S;
Fang N; Koo D
B; Oh K B; Youn W S; Zheng G D; Park J S; Kim S J; Han
Y M;

Choi I Y; Lim J; Shin S T; Jin S W; Lee K K; Yoo O J
CORPORATE SOURCE: Department of Biological Sciences, Korea
Advanced Institute

of Science and Technology, Taejeon.
SOURCE: TRANSGENIC RESEARCH, (2000 Jun) 9 (3) 215-
22.

Journal code: 9209120. ISSN: 0962-8819.

PUB. COUNTRY: Netherlands
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200102
ENTRY DATE: Entered STN: 20010322
Last Updated on STN: 20010322
Entered Medline: 20010208

AB We have developed a transgenic female goat harboring
goat beta-casein promoter/human granulocyte
colony stimulating factor (G-CSF) fusion gene by microinjection into
fertilized one-cell goat zygotes. Human G-CSF was produced at
levels of up to 50 microg/ml in transgenic goat milk. Its
biological activity was equivalent to recombinant human G-CSF
expressed
from Chinese hamster ovary (CHO) cell when assayed using in vitro
HL-60
cell proliferation. Human G-CSF from transgenic goat milk
increased the total number of white blood cells in C57BL/6N mice
with
leucopenia induced by cyclophosphamide (CPA). The secreted
human G-CSF was
glycosylated although the degree of O-glycosylation was lower
compared to
CHO cell-derived human G-CSF.

L68 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:191228 CAPLUS
DOCUMENT NUMBER: 132:232746
TITLE: Mammary gland tissue-specific expression system
using

.beta.-casein promoter site of
korean native goat
INVENTOR(S): Yoo, Ook Joon; Lee, Kyung Kwang; Han,
Young Mahn; Kim,
Sun Jung; Jeong, Hae Young; Ko, Jung Ho; Oh, Won
Jun
PATENT ASSIGNEE(S): Hanmi Pharm. Co., Ltd., S. Korea; Korea
Advanced

Institute of Science and Technology
SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000015808	A1	20000323	WO 1998-KR277	
19980911				
W:	AU, CA, CN, CZ, HU, JP, MX, NZ, RU, TR, US			
RW:	AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE			
AU 9891887	A1	20000403	AU 1998-91887	19980911
AU 729668	B2	20010208		
EP 1034281	A1	20000913	EP 1998-944319	19980911
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
PRIORITY APPLN. INFO.:			WO 1998-KR277	A
19980911				

AB There are disclosed mammary gland tissue-specific expression
systems using
the promoter site for the .beta.-casein gene of Korean native goats, by
use of which physiol. activating substances can be produced. In each
of
the expression systems, i.e., novel plasmids pGbc, pGbcL and pGbcS
(deposition Nos. KCTC 0515BP, 0514BP and 0513BP, resp.), a
.beta.-casein
gene expression-regulating region, a physiol. activating substance
gene
and a termination-regulating region are linked. Transgenic animals

are

made by microinjection of a gene-carrying pGbc vector into male pronucleus of animals. Here recombination occurs between the plasmid pGbc_S and hGMCsf gene or between the pGbc_S and pGbc_L vectors and hG-CSF gene.

Mammary gland tissue-derived cells are of HC11 line which are transfected with a gene-carrying pGbc_L vector or pGbc_S vector by calcium phosphate copptn. or electroporation. Human granulocyte colony stimulating factor (hG-CSF) or human granulocyte macrophage colony stimulating factor (hGM-CSF) can be produced in HC11 cells, a mouse mammary gland tissue-derived cell line, and in the milk secreted from the transgenic mice by use of a hG-CSF or hGM-CSF gene-carrying pGbc, pGbcL or pGbcS in transfection into cell and microinjection to mouse. Successful promoter induction is obtained with lactating hormone. These cells are selected with antibiotics. The proteins are those which experience the post-translational modification and maintain their normal activity in the human body. The expression systems make it possible to easily produce the proteins at a great amt., to scale up protein prodn. to the extent of industrialization, and to isolate and purify the desired protein with ease and safety.

REFERENCE COUNT: 2 THERE ARE 2 CITED
REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

=> dup rem l27
PROCESSING COMPLETED FOR L27
L69 1 DUP REM L27 (1 DUPLICATE REMOVED)

=> d ti so

L69 ANSWER 1 OF 1 MEDLINE DUPLICATE 1
TI Transgenic production of a variant of human tissue-type plasminogen activator in goat milk: generation of transgenic goats and analysis of expression.
SO BIO/TECHNOLOGY, (1991 Sep) 9 (9) 835-8.
Journal code: 8309273. ISSN: 0733-222X.

=> d ibib ab

L69 ANSWER 1 OF 1 MEDLINE DUPLICATE 1
ACCESSION NUMBER: 91354712 MEDLINE
DOCUMENT NUMBER: 91354712 PubMed ID: 1367544
TITLE: Transgenic production of a variant of human tissue-type plasminogen activator in goat milk: generation of transgenic goats and analysis of expression.
AUTHOR: Ebert K M; Selgrath J P; DiTullio P; Denman J; Smith T E;
Memon M A; Schindler J E; Monastersky G M; Vitale J A; Gordon K
CORPORATE SOURCE: Tufts University School of Veterinary Medicine, North Grafton, MA 01536-1895.
SOURCE: BIO/TECHNOLOGY, (1991 Sep) 9 (9) 835-8.
Journal code: 8309273. ISSN: 0733-222X.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English

FILE SEGMENT: Biotechnology
ENTRY MONTH: 199110
ENTRY DATE: Entered STN: 19950809
Last Updated on STN: 19980206
Entered Medline: 19911010

AB We report the first successful production of transgenic goats that express a heterologous protein in their milk. The production of a glycosylation variant of human tPA (LatPA--longer acting tissue plasminogen activator) from an expression vector containing the murine whey acid promoter (WAP) operatively linked to the cDNA of a modified version of human tPA was examined in transgenic dairy goats. Two transgenic goats were identified from 29 animals born. The first animal, a female, was mated and allowed to carry the pregnancy to term. Milk was obtained upon parturition and was shown to contain enzymatically active LatPA at a concentration of 3 micrograms/ml.

=> dup rem l8
762760 ANSWERS REQUESTED EXCEEDS MAXIMUM
ALLOWED OF 50000
You may process up to 50,000 answers per command. Please try to narrow your search until your resulting L# answer set is within the maximum number of answers.

=> dup rem l28
L28 HAS NO ANSWERS

=> dup rem l29
PROCESSING COMPLETED FOR L29
L70 10 DUP REM L29 (4 DUPLICATES REMOVED)

=> d ti so 1-10

L70 ANSWER 1 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Transgenic non-human mammals expressing human coagulation factor VIII and von Willebrand factor.
SO Official Gazette of the United States Patent and Trademark Office Patents,
(July 3, 2001) Vol. 1248, No. 1, pp. No Pagination. e-file.
ISSN: 0098-1133.

L70 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2002 ACS
TI Establishment of transgenic dairy goat by microinjection
SO Zhongguo Shouyi Xuebao (2001), 21(3), 252-254
CODEN: ZSXUF5; ISSN: 1005-4545

L70 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2002 ACS
TI Expression mammary gland-specific of the goat beta.-lactoglobulin gene comprising a 410 bp-long promoter in transgenic mice
SO Transgenics (2001), 3(2-4), 175-182
CODEN: TADTEF; ISSN: 1023-6171

L70 ANSWER 4 OF 10 MEDLINE DUPLICATE 1
TI Rapid communication: polymorphism in the goat beta-lactoglobulin proximal promoter region.
SO JOURNAL OF ANIMAL SCIENCE, (2000 Apr) 78 (4) 1100-1.
Journal code: 8003002. ISSN: 0021-8812.

L70 ANSWER 5 OF 10 MEDLINE DUPLICATE 2
TI Chromatin structures of goat and sheep beta-lactoglobulin gene differ.
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1998 Nov 27) 252 (3) 649-53.
Journal code: 0372516. ISSN: 0006-291X.

L70 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2002 ACS
TI Production of human serum albumin in the milk of transgenic animals
SO Proceedings of International Conference on Animal Biotechnology, Beijing, June 11-14, 1997 (1997), 353-358. Editor(s): Li, Ning; Chen, Yongfu.
Publisher: International Academic Publishers, Beijing, Peop. Rep. China.
CODEN: 68CNAB

L70 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2002 ACS
TI Repression participates in mammary tissue-specific activation of the caprine .beta.-lactoglobulin promoter
SO Molecular and Cellular Endocrinology (1997), 133(2), 161-168
CODEN: MCEND6; ISSN: 0303-7207

L70 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2002 ACS
TI Identification of the negative regulatory element on the caprine .beta.-lactoglobulin promoter
SO Tongmul Hakhoechi (1995), Volume Date 1995, 38(3), 433-41
CODEN: TOHJAV; ISSN: 0440-2510

L70 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2002 ACS
TI Efficient expression of human .alpha.1-antitrypsin by the caprine .beta.-lactoglobulin promoter in the mouse mammary cell, HC11
SO Mol. Cells (1995), 5(3), 275-81
CODEN: MOCEEK; ISSN: 1016-8478

L70 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2002 ACS
TI Isolation and characterization of the caprine genomic .beta.-lactoglobulin gene
SO Mol. Cells (1995), 5(3), 209-16
CODEN: MOCEEK; ISSN: 1016-8478

=> d ibib ab 9,6,5,1

L70 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1995:763157 CAPLUS
DOCUMENT NUMBER: 123:189634
TITLE: Efficient expression of human .alpha.1-antitrypsin by the caprine .beta.-lactoglobulin promoter in the mouse mammary cell, HC11
AUTHOR(S): Kang, Hyun Ah; Song, Young-Ja; Seo, Eun Joo; Kim, Jaeman; Seo, Jeong-Sun; Yu, Myeong-Hee
CORPORATE SOURCE: Korea Res. Inst. of Bioscience and Biotechnology, Korea Inst. of Science and Technology, Taejon, 305-333, S. Korea
SOURCE: Mol. Cells (1995), 5(3), 275-81
CODEN: MOCEEK; ISSN: 1016-8478
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The configuration of regulatory sequence and protein coding sequence, such as the presence of introns, is considered to be a crucial factor in detg. the expression level of the protein of interest. As a preliminary step for generating transgenic animals targeting the expression of human .alpha.1-antitrypsin (.alpha.1-AT) to the mammary gland, we evaluated the feasibility of using the regulatory sequence of the caprine .beta.-lactoglobulin gene to drive expression of the human protein from various vector constructs in a mouse mammary cell line, HC11. The 1.6 kb caprine regulatory sequence supported efficient expression of human .alpha.1-AT transcript from the vector constructed with the .alpha.1-AT cDNA sequence. The enhancing effect of .alpha.1-AT intronic sequence on the .alpha.1-AT transcription, however, was not obsd. in the cells

transfected with the vector contg. the .alpha.1-AT genomic DNA. Both the cDNA construct and the genomic construct showed a similar level of expression for the human .alpha.1-AT protein, which was secreted as a glycosylated form into the culture media. The results indicate that intronic sequence of human .alpha.1-AT is not absolutely required for the efficient expression driven by the caprine regulatory sequence in the mouse mammary cell.

L70 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1999:587633 CAPLUS
DOCUMENT NUMBER: 132:59720
TITLE: Production of human serum albumin in the milk of transgenic animals
AUTHOR(S): Shani, M.; Barash, I.; Faerman, A.; Ilan, N.; Raikhinstein, M.; Kari, R.; Bor, A.; Zaharini, E.; Gootwine, E.
CORPORATE SOURCE: The Volcani Center, Institute of Animal Science, Bet Dagan, 50250, Israel
SOURCE: Proceedings of International Conference on Animal Biotechnology, Beijing, June 11-14, 1997 (1997), 353-358. Editor(s): Li, Ning; Chen, Yongfu.
International Academic Publishers: Beijing, Peop. Rep. China.
CODEN: 68CNAB

DOCUMENT TYPE: Conference
LANGUAGE: English
AB To test the feasibility of producing human serum albumin (HSA) in the milk of transgenic goats the authors have established numerous transgenic mouse strains carrying a variety of HSA genomic sequences in front of the sheep .beta.-lactoglobulin promoter sequences. Anal. of HSA expression in these transgenic strains have demonstrated that up to 16 mg/mL HSA can be obtained in the milk and that expression is dependent on the presence of HSA intronic sequences. Furthermore, specific combinations of such introns perform better than others in conferring mammary specific expression. Attempt to insulate the transgene from the effect of host DNA sequences at the site of integration by co-integrating the HSA expression vectors with either the native sheep BLG gene or the matrix attachment region derived from the chicken lysosyme gene, have failed. Moreover, the expression of the native BLG gene, that is highly expressed when introduced alone, was downregulated in the presence of HSA expression vectors. A spontaneously derived sheep mammary epithelial cell line (NISH) was established. These cells form in vitro functional structures resembling ducts, lateral buds and alveoli that secrete BLG in an extra-cellular-dependent manner. The presence of growth hormone and fetal calf serum is required to establish these structures and to maintain BLG secretion. Interestingly, stable transfection of these cells with expression vectors may be used to substitute the transgenic mouse model in evaluating the potential of gene constructs to be expressed in the mammary gland. Finally, the authors describe the effects of season, ovulation rate and pregnancy rate on the efficiency of transgenesis in Saanen and Nubian-Damascus crossbred goats.
REFERENCE COUNT: 10 THERE ARE 10 CITED
REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

L70 ANSWER 5 OF 10 MEDLINE DUPLICATE 2
ACCESSION NUMBER: 1999057556 MEDLINE
DOCUMENT NUMBER: 99057556 PubMed ID: 9837761
TITLE: Chromatin structures of goat and sheep beta-lactoglobulin

gene differ.
AUTHOR: Pena R N; Folch J M; Sanchez A; Whitelaw C B
CORPORATE SOURCE: Unitat de Genetica i Millora, Departament de Patologia i

Produccio Animals, Facultat de Veterinaria, Universitat Autònoma de Barcelona, Bellaterra, 08193, Spain.
romi@guara.uab.es

SOURCE: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1998

Nov 27) 252 (3) 649-53.

Journal code: 0372516. ISSN: 0006-291X.

PUB. COUNTRY: United States

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199901

ENTRY DATE: Entered STN: 19990128

Last Updated on STN: 19990128

Entered Medline: 19990114

AB Different levels of the major milk protein beta-lactoglobulin are found in

evolutionarily related ruminant species: with sheep milk containing as

much as three times the concentration in goat milk. In an attempt to understand why these differences exist, we have characterised,

using DNaseI as a probe of structure, the chromatin surrounding the goat beta-lactoglobulin promoter and compared it to that of the sheep homologue. The goat gene displays a mammary-specific chromatin pattern, which is reformed on

expressing

goat beta-lactoglobulin transgenes. This implies that this chromatin structure is sequence dependent and suggests that it plays a role in regulating beta-lactoglobulin gene expression. This pattern differs from that seen on the ovine beta-lactoglobulin gene in

lactating

sheep mammary chromatin. Thus, even between highly related

species, the

transcriptional mechanisms regulating activity of a gene can differ.

Copyright 1998 Academic Press.

L70 ANSWER 1 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2001:356360 BIOSIS

DOCUMENT NUMBER: PREV200100356360

TITLE: Transgenic non-human mammals expressing human coagulation

factor VIII and von Willebrand factor.

AUTHOR(S): Lubon, Henryk (1); Drohan, William N.; Velandar, William H.

CORPORATE SOURCE: (1) Rockville, MD USA

ASSIGNEE: American National Red Cross; Virginia Polytechnic

Institute & State University, Blacksburg, VA, USA

PATENT INFORMATION: US 6255554 July 03, 2001

SOURCE: Official Gazette of the United States Patent and Trademark

Office Patents, (July 3, 2001) Vol. 1248, No. 1, pp. No

Pagination. e-file.

ISSN: 0098-1133.

DOCUMENT TYPE: Patent

LANGUAGE: English

AB A non-human transgenic mammalian animal, as described above, contains an

exogenous double stranded DNA sequence stably integrated into the genome

of the animal, which comprises cis-acting regulatory units operably linked

to a DNA sequence encoding human Factor VIII protein and a signal

peptide,

where the cis-acting regulatory units are active in mammary gland cells

and the signal peptide is active in directing newly expressed Factor VIII

into the milk of the animal. The promoter may be a milk protein

promoter

such as for whey acidic protein, casein, lactalbumin, or beta-

lactoglobulin promoter. The transgenic mammals are

preferably farm animals, for example, cows, goats, sheep,

rabbits and pigs. Concurrent expression of a gene for human von

Willebrand's Factor into milk may be used to stabilize newly-secreted

Factor VIII.

=> dup rem l35

PROCESSING COMPLETED FOR L35

L71 7 DUP REM L35 (6 DUPLICATES REMOVED)

=> d ti so 1-7

L71 ANSWER 1 OF 7 MEDLINE DUPLICATE 1

TI Cytokine-like effects of prolactin in human mononuclear and polymorphonuclear leukocytes.

SO JOURNAL OF NEUROIMMUNOLOGY, (2001 Nov 1) 120 (1-2) 58-66.

Journal code: 8109498. ISSN: 0165-5728.

L71 ANSWER 2 OF 7 MEDLINE

TI Regulation of gene expression in mammary epithelial cells by cellular

confluence and sequence-specific DNA binding factors.

SO BIOCHEMICAL SOCIETY SYMPOSIA, (1998) 63 115-31.

Journal code: 7506896. ISSN: 0067-8694.

L71 ANSWER 3 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Cloning and characterization of the ovine beta-casein gene promoter.

SO Animal Genetics, (Dec., 1998) Vol. 29, No. SUPPL. 1, pp. 52.

Meeting Info.: 26th International Conference on Animal Genetics Auckland,

New Zealand August 9-14, 1998

ISSN: 0268-9146.

L71 ANSWER 4 OF 7 MEDLINE

DUPLICATE 2

TI Cloning, sequencing and functional analysis of a truncated cDNA encoding

red deer prolactin receptor: an alternative tyrosine residue mediates beta-casein promoter activation.

SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1996 Oct 14) 123 (1) 17-26.

Journal code: 7500844. ISSN: 0303-7207.

L71 ANSWER 5 OF 7 MEDLINE

DUPLICATE 3

TI Functional activity of the human prolactin receptor and its ligands.

SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1995 Oct 30) 114 (1-2) 91-9.

Journal code: 7500844. ISSN: 0303-7207.

L71 ANSWER 6 OF 7 MEDLINE

DUPLICATE 4

TI Mammary gland factor (MGF) is a novel member of the cytokine regulated

transcription factor gene family and confers the prolactin response.

SO EMBO JOURNAL, (1994 May 1) 13 (9) 2182-91.

Journal code: 8208664. ISSN: 0261-4189.

L71 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2002 ACS

TI Manufacture of recombinant proteins by secretion into milk of transgenic

mammals

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

=> dup rem l6]
ENTER L# LIST OR (END):end

=> dup rem 36
ENTER L# LIST OR (END):end

=> dup rem l36
PROCESSING COMPLETED FOR L36
L72 1 DUP REM L36 (1 DUPLICATE REMOVED)

=> d ti so

L72 ANSWER 1 OF 1 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.DUPLICATE 1
TI Establishment of La-tPA/G-CSF dual transgenic mice and
expression in their
mammary gland.
SO Science in China Series C Life Sciences, (June, 1999) Vol. 42, No.
3, pp.
330-336.
ISSN: 1006-9305.

=> d ibib ab

L72 ANSWER 1 OF 1 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.DUPLICATE 1
ACCESSION NUMBER: 2000:2017 BIOSIS
DOCUMENT NUMBER: PREV20000002017
TITLE: Establishment of La-tPA/G-CSF dual transgenic mice
and
expression in their mammary gland.
AUTHOR(S): Lu Yifan (1); Tian Chai; Deng Jixian (1); Cheng
Xuan (1);
Huang Peitang (1)
CORPORATE SOURCE: (1) Institute of Biotechnology, Academy of
Military
Medicine Science, Beijing China
SOURCE: Science in China Series C Life Sciences, (June, 1999)
Vol.
42, No. 3, pp. 330-336.
ISSN: 1006-9305.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English
AB Expression vectors of human granulocyte colony stimulating factor
(G-CSF)
and long acting tissue plasminogen activator (La-tPA) in mammary
gland
were constructed using promoters of mouse whey
acid protein gene (WAP) and sheep beta-lactoglobulin
gene (BLG) with sizes of 2.6 and 5 kb respectively. Two kinds of
transgenic mice of G-CSF and La-tPA were produced with
microinjection. The
expression of G-CSF and La-tPA was achieved in mammary glands
of
transgenic mice, respectively. In order to establish dual transgenic
mice
of La-tPA/G-CSF, transgenic mice carrying G-CSF and La-tPA gene
characterized with specific expression in mammary gland were
mated.
La-tPA/G-CSF dual transgenic mice were screened out from the
hybrid
offspring by Once-PCR. The co-expression of La-tPA and G-CSF in
mammary
gland of the dual transgenic mice was confirmed by the milk assayed
and
Northern blot analysis. Some parameters about the dual transgenic
mice
indicated that there were fewer litters than that of normal mice. The
ratio of dual transgenes was 46.1% in F1 generation, and offspring's
sex
ratio was normal. Hence a dual transgenic mouse model was

established for
the study of co-expression foreign proteins in mammary gland.

=> dup rem l37
PROCESSING COMPLETED FOR L37
L73 2 DUP REM L37 (2 DUPLICATES REMOVED)

=> d ti so 1-2

L73 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS
TI The bovine .alpha.-lactalbumin promoter directs
expression of ovine trophoblast interferon in the mammary gland
of transgenic mice [Erratum to document cited in CA115(7):66096k]
SO FEBS Lett. (1991), 288(1-2), 247
CODEN: FEBLAL; ISSN: 0014-5793

L73 ANSWER 2 OF 2 MEDLINE DUPLICATE 1
TI The bovine alpha-lactalbumin promoter directs
expression of ovine trophoblast interferon in the mammary gland
of transgenic mice.
SO FEBS LETTERS, (1991 Jun 17) 284 (1) 19-22.
Journal code: 0155157. ISSN: 0014-5793.

=> dup rem l38
PROCESSING COMPLETED FOR L38
L74 40 DUP REM L38 (34 DUPLICATES REMOVED)

=> d ti so 1-40

L74 ANSWER 1 OF 40 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI Transgenic non-human mammals expressing human coagulation
factor VIII and
von Willebrand factor.
SO Official Gazette of the United States Patent and Trademark Office
Patents,
(July 3, 2001) Vol. 1248, No. 1, pp. No Pagination. e-file.
ISSN: 0098-1133.

L74 ANSWER 2 OF 40 MEDLINE DUPLICATE 1
TI Virus-neutralizing monoclonal antibody expressed in milk of
transgenic
mice provides full protection against virus-induced encephalitis.
SO JOURNAL OF VIROLOGY, (2001 Mar) 75 (6) 2803-9.
Journal code: 0113724. ISSN: 0022-538X.

L74 ANSWER 3 OF 40 CAPLUS COPYRIGHT 2002 ACS
TI Establishment of transgenic dairy goat by microinjection
SO Zhongguo Shouyi Xuebao (2001), 21(3), 252-254
CODEN: ZSXUF5; ISSN: 1005-4545

L74 ANSWER 4 OF 40 MEDLINE DUPLICATE 2
TI Breast cancer-specific expression of the Candida albicans cytosine
deaminase gene using a transcriptional targeting approach.
SO CANCER GENE THERAPY, (2000 Jun) 7 (6) 845-52.
Journal code: 9432230. ISSN: 0929-1903.

L74 ANSWER 5 OF 40 CAPLUS COPYRIGHT 2002 ACS
TI Human bile salt-stimulated lipase obtainable from transgenic sheep
SO PCT Int. Appl., 67 pp.
CODEN: PIXXD2

L74 ANSWER 6 OF 40 CAPLUS COPYRIGHT 2002 ACS
TI Plasmid vector pBCD for efficient mammary gland-specific gene
expression
in transgenic animals
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 24 pp.
CODEN: CNXXEV

L74 ANSWER 7 OF 40 MEDLINE DUPLICATE 3
TI In vivo and in vitro expression of human serum albumin genomic
sequences

in mammary epithelial cells with beta-lactoglobulin and whey acidic protein promoters.
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999 Mar) 52 (3) 241-52.
Journal code: 8903333. ISSN: 1040-452X.

L74 ANSWER 8 OF 40 CAPLUS COPYRIGHT 2002 ACS
TI Construction of a universal mammary gland expression vector for transgenic animal
SO Zhongguo Shouyi Xuebao (1999), 19(2), 133-135
CODEN: ZSXUF5; ISSN: 1005-4545

L74 ANSWER 9 OF 40 MEDLINE DUPLICATE 4
TI In vitro expression of long and short ovine prolactin receptors: activation of Jak2/STAT5 pathway is not sufficient to account for prolactin signal transduction to the ovine beta-lactoglobulin gene promoter.
SO JOURNAL OF MOLECULAR ENDOCRINOLOGY, (1999 Oct) 23 (2) 125-36.
Journal code: 8902617. ISSN: 0952-5041.

L74 ANSWER 10 OF 40 MEDLINE DUPLICATE 5
TI The prolactin receptor from the brushtail possum (Trichosurus vulpecula): cDNA cloning, expression and functional analysis.
SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1999 Feb 25) 148 (1-2) 119-27.
Journal code: 7500844. ISSN: 0303-7207.

L74 ANSWER 11 OF 40 CAPLUS COPYRIGHT 2002 ACS
TI cloning and expression in transgenic sheep and mice of human .alpha.-1-antitrypsin transgene
SO PCT Int. Appl., 47 pp.
CODEN: PIXXD2

L74 ANSWER 12 OF 40 MEDLINE DUPLICATE 6
TI Chromatin structures of goat and sheep beta-lactoglobulin gene differ.
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1998 Nov 27) 252 (3) 649-53.
Journal code: 0372516. ISSN: 0006-291X.

L74 ANSWER 13 OF 40 MEDLINE DUPLICATE 7
TI Production of biologically active salmon calcitonin in the milk of transgenic rabbits.
SO NATURE BIOTECHNOLOGY, (1998 Jul) 16 (7) 647-51.
Journal code: 9604648. ISSN: 1087-0156.

L74 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2002 ACS
TI Rescue of an MMTV transgene by co-integration reveals novel locus control properties of the ovine .beta.-lactoglobulin gene that confer locus commitment to heterogeneous tissues
SO Transgenic Research (1998), 7(3), 205-212
CODEN: TRSEES; ISSN: 0962-8819

L74 ANSWER 15 OF 40 MEDLINE
TI Gene expression in the mammary glands of transgenic animals.
SO BIOCHEMICAL SOCIETY SYMPOSIA, (1998) 63 133-40. Ref: 29
Journal code: 7506896. ISSN: 0067-8694.

L74 ANSWER 16 OF 40 CAPLUS COPYRIGHT 2002 ACS
TI Production of human serum albumin in the milk of transgenic animals
SO Proceedings of International Conference on Animal Biotechnology, Beijing, June 11-14, 1997 (1997), 353-358. Editor(s): Li, Ning, Chen, Yongfu.
Publisher: International Academic Publishers, Beijing, Peop. Rep. China.
CODEN: 68CNAB

L74 ANSWER 17 OF 40 MEDLINE DUPLICATE 8
TI Prolactin signal transduction to milk protein genes: carboxy-terminal part of the prolactin receptor and its tyrosine phosphorylation are not obligatory for JAK2 and STAT5 activation.
SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1997 Mar 28) 127 (2) 155-69.
Journal code: 7500844. ISSN: 0303-7207.

L74 ANSWER 18 OF 40 MEDLINE DUPLICATE 9
TI Selective cell ablation in transgenic mice expressing E. coli nitroreductase.
SO GENE THERAPY, (1997 Feb) 4 (2) 101-10.
Journal code: 9421525. ISSN: 0969-7128.

L74 ANSWER 19 OF 40 MEDLINE DUPLICATE 10
TI Transgene rescue in the mammary gland is associated with transcription but does not require translation of BLG transgenes.
SO TRANSGENIC RESEARCH, (1997 Jan) 6 (1) 11-7.
Journal code: 9209120. ISSN: 0962-8819.

L74 ANSWER 20 OF 40 CAPLUS COPYRIGHT 2002 ACS
TI Transgenic nonhuman animals expressing nitroreductase which converts prodrug to cytotoxic drug
SO PCT Int. Appl., 46 pp.
CODEN: PIXXD2

L74 ANSWER 21 OF 40 MEDLINE DUPLICATE 11
TI High-level expression of recombinant human fibrinogen in the milk of transgenic mice.
SO NATURE BIOTECHNOLOGY, (1996 Jul) 14 (7) 867-71.
Journal code: 9604648. ISSN: 1087-0156.

L74 ANSWER 22 OF 40 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Expression of human blood clotting factor VIII (FVIII) constructs in the mammary gland of transgenic mice and sheep.
SO Journal of Animal Breeding and Genetics, (1996) Vol. 113, No. 4-5, pp. 437-444.
ISSN: 0931-2668.

L74 ANSWER 23 OF 40 CAPLUS COPYRIGHT 2002 ACS
TI The glycosylation of human recombinant alpha-1-antitrypsin expressed in transgenic mice
SO Biochem. Soc. Trans. (1996), 24(3), 339S
CODEN: BCSTB5; ISSN: 0300-5127

L74 ANSWER 24 OF 40 MEDLINE DUPLICATE 12
TI Hormonal influences on beta-lactoglobulin transgene expression inferred from chromatin structure.
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1996 Jul 5) 224 (1) 121-5.
Journal code: 0372516. ISSN: 0006-291X.

L74 ANSWER 25 OF 40 CAPLUS COPYRIGHT 2002 ACS
TI Modified .alpha.-lactalbumins containing few or no phenylalanines for dietary supplementation in hyperphenylalaninemia
SO PCT Int. Appl., 77 pp.
CODEN: PIXXD2

L74 ANSWER 26 OF 40 MEDLINE DUPLICATE 13
TI Stat5 as a target for regulation by extracellular matrix.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Sep 15) 270 (37) 21639-44.

L74 ANSWER 27 OF 40 MEDLINE DUPLICATE 14
 TI Regulation of ovine beta-lactoglobulin gene expression during the first stage of lactogenesis.
 SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1995 Apr 26) 209 (3) 1089-93.
 Journal code: 0372516. ISSN: 0006-291X.

L74 ANSWER 28 OF 40 MEDLINE DUPLICATE 15
 TI Dramatic heterogeneity of transgene expression in the mammary gland of lactating mice: a model system to study the synthetic activity of mammary epithelial cells.
 SO JOURNAL OF HISTOCHEMISTRY AND CYTOCHEMISTRY, (1995 May) 43 (5) 461-70.
 Journal code: 9815334. ISSN: 0022-1554.

L74 ANSWER 29 OF 40 CAPLUS COPYRIGHT 2002 ACS
 TI Heterogeneous expression and synthesis of human serum albumin in the mammary gland of transgenic mice
 SO Intercell. Signalling Mammary Gland, [Proc. Hannah Symp.] (1995), Meeting
 Date 1994, 171-2. Editor(s): Wilde, Colin J.; Peaker, Malcolm; Knight, Christopher H. Publisher: Plenum, New York, N. Y.
 CODEN: 61ZIAS

L74 ANSWER 30 OF 40 MEDLINE DUPLICATE 16
 TI Epithelial proliferation and differentiation in the mammary gland do not correlate with cFABP gene expression during early pregnancy.
 SO DEVELOPMENTAL GENETICS, (1995) 17 (2) 167-75.
 Journal code: 7909963. ISSN: 0192-253X.

L74 ANSWER 31 OF 40 MEDLINE DUPLICATE 17
 TI The proximal milk protein binding factor binding site is required for the prolactin responsiveness of the sheep beta-lactoglobulin promoter in Chinese hamster ovary cells.
 SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1995 Jan) 107 (1) 113-21.
 Journal code: 7500844. ISSN: 0303-7207.

L74 ANSWER 32 OF 40 MEDLINE DUPLICATE 18
 TI Expression of genomic and cDNA transgenes after co-integration in transgenic mice.
 SO TRANSGENIC RESEARCH, (1995 Jan) 4 (1) 39-43.
 Journal code: 9209120. ISSN: 0962-8819.

L74 ANSWER 33 OF 40 MEDLINE DUPLICATE 19
 TI Tissue-specific, temporally regulated expression mediated by the proximal ovine beta-lactoglobulin promoter in transgenic mice.
 SO CELLULAR AND MOLECULAR BIOLOGY RESEARCH, (1995) 41 (1) 11-5.
 Journal code: 9316986. ISSN: 0968-8773.

L74 ANSWER 34 OF 40 CAPLUS COPYRIGHT 2002 ACS
 TI Regulation of the sheep beta-lactoglobulin gene by lactogenic hormones is mediated by a transcription factor that binds an interferon-gamma activation site-related element
 SO Mol. Endocrinol. (1994), 8(11), 1528-36
 CODEN: MOENEN; ISSN: 0888-8809

L74 ANSWER 35 OF 40 CAPLUS COPYRIGHT 2002 ACS
 TI Ectopic expression of beta-lactoglobulin/human serum albumin fusion

genes in transgenic mice: hormonal regulation and in situ localization
 SO Transgenic Res. (1994), 3(3), 141-51
 CODEN: TRSEES; ISSN: 0962-8819

L74 ANSWER 36 OF 40 CAPLUS COPYRIGHT 2002 ACS
 TI Expression of human serum albumin in the milk of transgenic mice
 SO Transgenic Res. (1992), 1(5), 195-208
 CODEN: TRSEES

L74 ANSWER 37 OF 40 CAPLUS COPYRIGHT 2002 ACS
 TI Position-independent expression of the ovine beta-lactoglobulin gene in transgenic mice
 SO Biochem. J. (1992), 286(1), 31-9
 CODEN: BIJOAK; ISSN: 0306-3275

L74 ANSWER 38 OF 40 CAPLUS COPYRIGHT 2002 ACS
 TI Interaction of DNA-binding proteins with a milk protein gene promoter in vitro: identification of a mammary gland-specific factor
 SO Nucleic Acids Res. (1991), 19(23), 6603-10
 CODEN: NARHAD; ISSN: 0305-1048

L74 ANSWER 39 OF 40 CAPLUS COPYRIGHT 2002 ACS
 TI High level expression of active human alpha-1-antitrypsin in the milk of transgenic sheep
 SO Bio/Technology (1991), 9(9), 830-4
 CODEN: BTCHDA; ISSN: 0733-222X

L74 ANSWER 40 OF 40 CAPLUS COPYRIGHT 2002 ACS
 TI Manufacture of protein with transgenic mammals
 SO PCT Int. Appl., 101 pp.
 CODEN: PIXXD2

=> d ibib ab 40,39,33,31,15,12,7

L74 ANSWER 40 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1990:586092 CAPLUS
 DOCUMENT NUMBER: 113:186092
 TITLE: Manufacture of protein with transgenic mammals
 INVENTOR(S): Archibald, Alan Langskill; Clark, Anthony John;
 Harris, Stephen; McClenaghan, Margaret; Simons, John Paul; Whitelaw, Christopher Bruce Ale
 PATENT ASSIGNEE(S): Pharmaceutical Proteins Ltd., UK
 SOURCE: PCT Int. Appl., 101 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9005188	A1	19900517	WO 1989-GB1343	19891113
W: AU, DK, FI, HU, JP, KR, NO, SU, US				
RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
AU 8944943	A1	19900528	AU 1989-44943	19891113
AU 628101	B2	19920910		
EP 396699	A1	19901114	EP 1989-912273	19891113
EP 396699	B1	19971001		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 03505674	T2	19911212	JP 1989-511400	19891113
JP 3141999	B2	20010307		
AT 158817	E	19971015	AT 1989-912273	19891113
US 5861299	A	19990119	US 1994-343884	19941117
US 5650503	A	19970722	US 1994-359854	19941220
PRIORITY APPLN. INFO.: GB 1988-26446 A 19881111				
WO 1989-GB1343 A 19891113				
US 1990-536672 B3 19900911				
US 1992-925737 B1 19920807				
US 1992-926192 B1 19920807				

AB A genetic construct that uses the 5' flanking sequence from a mammalian milk-protein gene to express a heterologous gene contg. >1, but not all customary introns is used to prep. transgenic mammals. The transgenic mammals may be used to produce the heterologous protein that, being expressed from a milk-protein gene, are secreted into milk for easier recovery of the protein. A cassette contg. the genomic sequences for human liver .alpha.1-antitrypsin minus intron 1 fused to the promoter of the ovine .beta.-lactoglobulin gene was prepd. This construct was used to prep. transgenic mice by std. methods. Transgenic offspring were identified by Northern blotting, and .alpha.1-antitrypsin was found by immunoblotting of milk from transgenic females. Transgenic sheep contg. a human blood clotting factor IX gene were also prepd.

L74 ANSWER 39 OF 40 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1992:122167 CAPLUS
 DOCUMENT NUMBER: 116:122167
 TITLE: High level expression of active human
 alpha-1-antitrypsin in the milk of transgenic sheep
 AUTHOR(S): Wright, G.; Carver, A.; Cottom, D.; Reeves, D.;
 Scott, A.; Simons, P.; Wilmut, I.; Garner, I.; Colman, A.
 CORPORATE SOURCE: Pharm. Proteins Ltd., Edinburgh, EH9
 3JQ, UK
 SOURCE: Bio/Technology (1991), 9(9), 830-4
 CODEN: BTCHDA; ISSN: 0733-222X
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB The generation of 5 sheep transgenic for a fusion of the ovine .beta.-lactoglobulin gene promoter to the human .alpha.1-antitrypsin (h.alpha.1AT) genomic sequences is described. Four of these animals are female and 1 male. Anal. of the expression of h.alpha.1AT in the milk of 3 of these females shows that all express the human protein at levels greater than 1 g per L. In one case initial levels exceeded 60 g/L and stabilized at approx. 35 g/L as lactation progressed. Human .alpha.1AT purified from the milk of these animals appears to be fully N-glycosylated and has a biol. activity indistinguishable from human plasma-derived material.

L74 ANSWER 33 OF 40 MEDLINE DUPLICATE 19
 ACCESSION NUMBER: 96015490 MEDLINE
 DOCUMENT NUMBER: 96015490 PubMed ID: 7550448
 TITLE: Tissue-specific, temporally regulated expression
 mediated by the proximal ovine beta-lactoglobulin
 promoter in transgenic mice.
 AUTHOR: Webster J; Wallace R M; Clark A J; Whitelaw C B
 CORPORATE SOURCE: Division of Molecular Biology, Roslin
 Institute (Edinburgh), Scotland, UK.
 SOURCE: CELLULAR AND MOLECULAR BIOLOGY
 RESEARCH, (1995) 41 (1)
 11-5.
 Journal code: 9316986. ISSN: 0968-8773.
 PUB. COUNTRY: United States
 Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199510
 ENTRY DATE: Entered STN: 19951227
 Last Updated on STN: 19980206
 Entered Medline: 19951027
 AB The ovine beta-lactoglobulin gene is expressed abundantly in the mammary gland. This study determines whether the ovine beta-

lactoglobulin promoter is sufficient for targeting tissue-specific expression in transgenic mice. To address this, the expression profile of an ovine beta-lactoglobulin promoter driven bacterial chloramphenicol acetyltransferase reporter construct was analysed. Comparison of the expression frequency of this hybrid transgene to that of a genomic beta-lactoglobulin transgene indicates that additional sequences, downstream of the promoter, are required for position-independent expression in transgenic mice. Nevertheless, the hybrid transgene was expressed specifically in the mammary gland. Furthermore, the hybrid transgene was expressed in the appropriate temporal pattern during pregnancy and lactation. Thus, the proximal promoter of the ovine beta-lactoglobulin gene contains sufficient sequence information to target expression to the mammary. This construct constitutes the basis for a compact mammary expression vector.

L74 ANSWER 31 OF 40 MEDLINE DUPLICATE 17
 ACCESSION NUMBER: 95317446 MEDLINE
 DOCUMENT NUMBER: 95317446 PubMed ID: 7796930
 TITLE: The proximal milk protein binding factor binding site is required for the prolactin responsiveness of the sheep beta-lactoglobulin promoter in Chinese hamster ovary cells.
 AUTHOR: Demmer J; Burdon T G; Djiane J; Watson C J; Clark A J
 CORPORATE SOURCE: Roslin Institute (Edinburgh), UK.
 SOURCE: MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1995 Jan) 107 (1)
 113-21.
 Journal code: 7500844. ISSN: 0303-7207.
 PUB. COUNTRY: Ireland
 Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199508
 ENTRY DATE: Entered STN: 19950817
 Last Updated on STN: 19950817
 Entered Medline: 19950803
 AB To identify cis-acting prolactin (PRL) response elements within the sheep beta-lactoglobulin (BLG) promoter, CHO cells were co-transfected with a rabbit PRL-receptor (PRL-R) expression plasmid and a number of BLG-CAT constructs. Resection through the 4200 bp BLG promoter diminished the PRL response. Mutation of the proximal binding site for milk protein binding factor (MPBF), a previously described mammary gland transcription factor, abolished the PRL inducibility of full length and shorter forms of the promoter. MPBF was shown to be similar to the Stat protein mammary gland factor (MGF) which has been shown to mediate PRL responsiveness of the rat beta-casein gene in mammary cells. MPBF binding activity was detected in the nucleus of CHO cells and was increased 2-6-fold in cells stably transfected with the PRL-R. The lactating mammary gland has high levels of MPBF binding activity and it is likely that this has an important role in the PRL induction of a variety of milk protein genes.

L74 ANSWER 15 OF 40 MEDLINE
 ACCESSION NUMBER: 1998174904 MEDLINE
 DOCUMENT NUMBER: 98174904 PubMed ID: 9513717
 TITLE: Gene expression in the mammary glands of transgenic animals.
 AUTHOR: Clark A J

CORPORATE SOURCE: Division of Molecular Biology, Roslin Institute,

Midlothian, Scotland, U.K.

SOURCE: BIOCHEMICAL SOCIETY SYMPOSIA, (1998) 63
133-40. Ref: 29

Journal code: 7506896. ISSN: 0067-8694.

PUB. COUNTRY: ENGLAND: United Kingdom
Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199804

ENTRY DATE: Entered STN: 19980430

Last Updated on STN: 19980430

Entered Medline: 19980423

AB The gene encoding the milk protein beta-lactoglobulin in sheep is expressed in the mammary gland in a tissue-specific manner during pregnancy and lactation. The unmodified sheep gene behaves appropriately in transgenic mice, and we have shown that many of the cis-acting elements that mediate this pattern of expression are located in the proximal 400 bp of the promoter. Using a combination of approaches we have identified a number of discrete cis-acting elements and their corresponding trans-acting factors that control the responsiveness of this gene in vivo. The beta-lactoglobulin promoter elements can be used to target the expression of foreign genes to the mammary gland in transgenic mice. We have used this approach in basic studies of mammary gland biology and for the production of therapeutic proteins in the milk of transgenic animals. In these circumstances, however, the promoter rarely functions optimally, and it may even be silenced; consequently, we have had to develop a number of strategies to overcome this problem. Nevertheless, foreign proteins do appear to be appropriately post-translationally modified when they are expressed in the mammary gland.

L74 ANSWER 12 OF 40 MEDLINE DUPLICATE 6
ACCESSION NUMBER: 1999057556 MEDLINE
DOCUMENT NUMBER: 99057556 PubMed ID: 9837761
TITLE: Chromatin structures of goat and sheep beta-lactoglobulin gene differ.

AUTHOR: Pena R N; Folch J M; Sanchez A; Whitelaw C B
CORPORATE SOURCE: Unitat de Genetica i Millora, Departament de Patologia i

Produccio Animals, Facultat de Veterinaria, Universitat Autònoma de Barcelona, Bellaterra, 08193, Spain..
romi@guara.uab.es

SOURCE: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1998

Nov 27) 252 (3) 649-53.

Journal code: 0372516. ISSN: 0006-291X.

PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199901

ENTRY DATE: Entered STN: 19990128

Last Updated on STN: 19990128

Entered Medline: 19990114

AB Different levels of the major milk protein beta-lactoglobulin are found in evolutionarily related ruminant species: with sheep milk containing as much as three times the concentration in goat milk. In an attempt to understand why these differences exist, we have

characterised, using DNaseI as a probe of structure, the chromatin surrounding the goat beta-lactoglobulin promoter and compared it to that of the sheep homologue. The goat gene displays a mammary-specific chromatin pattern, which is reformed on expressing goat beta-lactoglobulin transgenes. This implies that this chromatin structure is sequence dependent and suggests that it plays a role in regulating beta-lactoglobulin gene expression. This pattern differs from that seen on the ovine beta-lactoglobulin gene in lactating sheep mammary chromatin. Thus, even between highly related species, the transcriptional mechanisms regulating activity of a gene can differ. Copyright 1998 Academic Press.

L74 ANSWER 7 OF 40 MEDLINE DUPLICATE 3
ACCESSION NUMBER: 1999140206 MEDLINE
DOCUMENT NUMBER: 99140206 PubMed ID: 10206655
TITLE: In vivo and in vitro expression of human serum albumin genomic sequences in mammary epithelial cells with beta-lactoglobulin and whey acidic protein promoters.
AUTHOR: Barash I; Faerman A; Richenstein M; Kari R; Damary G M; Shani M; Bissell M J
CORPORATE SOURCE: Institute of Animal Science, Agricultural Research Organization, The Volcani Center, Bet Dagan, Israel.
SOURCE: MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999 Mar) 52 (3) 241-52.
Journal code: 8903333. ISSN: 1040-452X.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199904
ENTRY DATE: Entered STN: 19990426
Last Updated on STN: 19990426
Entered Medline: 19990413

AB The expression pattern of human serum albumin (HSA) in transgenic mice carrying various HSA genomic sequences driven either by the mouse whey acidic protein (WAP) or the sheep beta-lactoglobulin (BLG) promoters, was compared. The pattern of HSA expression in both WAP/HSA and BLG/HSA transgenic lines was copy number independent, and the major site of ectopic expression was the skeletal muscle. Although an equal proportion of expressors was determined in both sets of mice (approximately 25% secreting >0.1 mg/ml), the highest level of HSA secreted into the milk in the WAP/HSA transgenic lines was one order of magnitude lower than in the BLG/HSA lines. Despite this difference, the HSA expression patterns in the mammary gland were similar and consisted of two levels of variegated expression. Studies using mammary explant cultures revealed a comparable responsiveness to the lactogenic hormones insulin, hydrocortisone, and prolactin, although the WAP/HSA gene constructs were more sensitive to the hydrocortisone effect than were the BLG/HSA vectors. When HSA vectors were stably transfected into the mouse mammary cell line CID-9, they displayed a hierarchy of expression, dependent upon the specific complement of HSA introns included. Nevertheless, the expression of HSA in four out of five WAP/HSA constructs was similar to their BLG/HSA counterparts. This construct-dependent, and promoter-independent, hierarchy was also found following transfection into

the newly established Gorda-1 ovine mammary epithelial cell line.

=> dup rem l39

PROCESSING COMPLETED FOR L39

L75 102 DUP REM L39 (98 DUPLICATES REMOVED)

=> d ti so 50-102

L75 ANSWER 50 OF 102 MEDLINE DUPLICATE 32
TI Upstream genomic sequence of the human connexin26 gene.
SO GENE, (1997 Oct 15) 199 (1-2) 165-71.
Journal code: 7706761. ISSN: 0378-1119.

L75 ANSWER 51 OF 102 MEDLINE
TI Prolactin receptor subtypes: a possible mode of tissue specific regulation of prolactin function.
SO REVIEWS OF REPRODUCTION, (1997 Jan) 2 (1) 14-8. Ref: 30
Journal code: 9602351. ISSN: 1359-6004.

L75 ANSWER 52 OF 102 CAPLUS COPYRIGHT 2002 ACS
TI Viral and plasmid vectors encoding mouse mammary tumor virus Naf repressor or Sag antigen for control of viral infections or lymphocyte gene therapy
SO PCT Int. Appl., 44 pp.
CODEN: PIXXD2

L75 ANSWER 53 OF 102 MEDLINE DUPLICATE 33
TI Hormonally regulated double- and single-stranded DNA-binding complexes involved in mouse beta-casein gene transcription.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1996 Apr 12) 271 (15) 8911-8.
Journal code: 2985121R. ISSN: 0021-9258.

L75 ANSWER 54 OF 102 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Defining candidate genes for mastitis resistance in cattle: The role of lactoferrin and lysozyme.
SO Journal of Animal Breeding and Genetics, (1996) Vol. 113, No. 4-5, pp. 269-276.
ISSN: 0931-2668.

L75 ANSWER 55 OF 102 CAPLUS COPYRIGHT 2002 ACS
TI An efficient expression of human growth hormone (hGH) in the milk of transgenic mice using rat .beta.-casein/hGH fusion genes
SO Appl. Biochem. Biotechnol. (1996), 56(3), 211-22
CODEN: ABIBDL; ISSN: 0273-2289

L75 ANSWER 56 OF 102 MEDLINE DUPLICATE 34
TI Transgene expression in mammary glands of newborn rats.
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1996 Feb) 43 (2) 145-9.
Journal code: 8903333. ISSN: 1040-452X.

L75 ANSWER 57 OF 102 MEDLINE DUPLICATE 35
TI Expression of cDNA-encoded human acid alpha-glucosidase in milk of transgenic mice.
SO BIOCHIMICA ET BIOPHYSICA ACTA, (1996 Aug 14) 1308 (2) 93-6.
Journal code: 0217513. ISSN: 0006-3002.

L75 ANSWER 58 OF 102 MEDLINE DUPLICATE 36
TI Cloning, sequencing and functional analysis of a truncated cDNA encoding red deer prolactin receptor: an alternative tyrosine residue mediates beta-casein promoter activation.
SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1996

Oct 14) 123 (1) 17-26.

Journal code: 7500844. ISSN: 0303-7207.

L75 ANSWER 59 OF 102 MEDLINE DUPLICATE 37
TI CCAAT/enhancer-binding protein isoforms beta and delta are expressed in mammary epithelial cells and bind to multiple sites in the beta-casein gene promoter.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Jul 28) 270 (30) 17962-9.
Journal code: 2985121R. ISSN: 0021-9258.

L75 ANSWER 60 OF 102 MEDLINE DUPLICATE 38
TI Epidermal growth factor induces the tyrosine phosphorylation and nuclear translocation of Stat 5 in mouse liver.
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1995 May 9) 92 (10) 4215-8.
Journal code: 7505876. ISSN: 0027-8424.

L75 ANSWER 61 OF 102 MEDLINE DUPLICATE 39
TI Interaction of retinoids with steroid and peptide hormones in modulating morphological and functional differentiation of normal rat mammary epithelial cells.
SO ENDOCRINOLOGY, (1995 Apr) 136 (4) 1718-30.
Journal code: 0375040. ISSN: 0013-7227.

L75 ANSWER 62 OF 102 MEDLINE DUPLICATE 40
TI Developmentally and hormonally regulated CCAAT/enhancer-binding protein isoforms influence beta-casein gene expression.
SO MOLECULAR ENDOCRINOLOGY, (1995 Sep) 9 (9) 1223-32.
Journal code: 8801431. ISSN: 0888-8809.

L75 ANSWER 63 OF 102 MEDLINE DUPLICATE 41
TI Laminin mediates tissue-specific gene expression in mammary epithelia.
SO JOURNAL OF CELL BIOLOGY, (1995 May) 129 (3) 591-603.
Journal code: 0375356. ISSN: 0021-9525.

L75 ANSWER 64 OF 102 MEDLINE DUPLICATE 42
TI Tenascin-C inhibits extracellular matrix-dependent gene expression in mammary epithelial cells. Localization of active regions using recombinant tenascin fragments.
SO JOURNAL OF CELL SCIENCE, (1995 Feb) 108 (Pt 2) 519-27.
Journal code: 0052457. ISSN: 0021-9533.

L75 ANSWER 65 OF 102 CAPLUS COPYRIGHT 2002 ACS
TI Cloning and sequencing of rat .beta.-casein gene regulatory sequence and the construction of mammary gland-specific expression vector
SO Shengwu Huaxue Zazhi (1995), 11(4), 377-80
CODEN: SHZAE4; ISSN: 1000-8543

L75 ANSWER 66 OF 102 MEDLINE DUPLICATE 43
TI High-level, stage- and mammary-tissue-specific expression of a caprine kappa-casein-encoding minigene driven by a beta-casein promoter in transgenic mice.
SO GENE, (1995 Nov 20) 165 (2) 291-6.
Journal code: 7706761. ISSN: 0378-1119.

L75 ANSWER 67 OF 102 MEDLINE DUPLICATE 44
TI Functional activity of the human prolactin receptor and its ligands.
SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1995 Oct 30) 114 (1-2) 91-9.
Journal code: 7500844. ISSN: 0303-7207.

L75 ANSWER 68 OF 102 MEDLINE DUPLICATE 45
TI beta-Casein mRNA sequesters a single-stranded nucleic acid-

binding protein
which negatively regulates the beta-casein gene promoter.
SO MOLECULAR AND CELLULAR BIOLOGY, (1994 Sep) 14 (9)
6004-12.
Journal code: 8109087. ISSN: 0270-7306.

L75 ANSWER 69 OF 102 CAPLUS COPYRIGHT 2002 ACS
TI Developmental profiles of DNA-binding proteins with a milk
protein gene
promoter in mammary glands
SO Mol. Cells (1994), 4(4), 439-43
CODEN: MOCEEK; ISSN: 1016-8478

L75 ANSWER 70 OF 102 MEDLINE DUPLICATE 46
TI Protein kinase C and mammary cell differentiation: involvement of
protein
kinase C alpha in the induction of beta-casein expression.
SO CELL GROWTH AND DIFFERENTIATION, (1994 Mar) 5 (3)
239-47.
Journal code: 9100024. ISSN: 1044-9523.

L75 ANSWER 71 OF 102 MEDLINE DUPLICATE 47
TI Transcriptional activation by viral enhancers: critical dependence on
extracellular matrix-cell interactions in mammary epithelial cells.
SO MOLECULAR CARCINOGENESIS, (1994 Jun) 10 (2) 66-71.
Journal code: 8811105. ISSN: 0899-1987.

L75 ANSWER 72 OF 102 MEDLINE DUPLICATE 48
TI Interaction of two sequence-specific single-stranded DNA-binding
proteins
with an essential region of the beta-casein gene promoter is regulated
by
lactogenic hormones.
SO MOLECULAR AND CELLULAR BIOLOGY, (1993 Dec) 13 (12)
7303-10.
Journal code: 8109087. ISSN: 0270-7306.

L75 ANSWER 73 OF 102 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.
DUPLICATE 49
TI Production of transgenic mice and rabbits that carry and express
the human tissue plasminogen activator cDNA under the control of a
bovine
alpha S1 casein promoter.
SO Theriogenology, (1993) Vol. 39, No. 5, pp. 1173-1185.
ISSN: 0093-691X.

L75 ANSWER 74 OF 102 CAPLUS COPYRIGHT 2002 ACS
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hormonal
induction of a mouse .beta.-casein::CAT fusion protein in mammary
epithelial cells
SO Gene (1993), 126(2), 195-201
CODEN: GENED6; ISSN: 0378-1119

L75 ANSWER 75 OF 102 CAPLUS COPYRIGHT 2002 ACS
TI Mouse mammary tumor virus promoter directs high-level
expression of bovine
.alpha.S1 casein in the milk of transgenic heterozygous and
homozygous
mice
SO Anim. Biotechnol. (1993), 4(1), 89-107
CODEN: ANBTEN; ISSN: 1049-5398

L75 ANSWER 76 OF 102 MEDLINE DUPLICATE 50
TI Glucocorticoid receptor binding sites in the promoter region of milk
protein genes.
SO JOURNAL OF STEROID BIOCHEMISTRY AND MOLECULAR
BIOLOGY, (1993 Dec) 47 (1-6)
75-81.
Journal code: 9015483. ISSN: 0960-0760.

L75 ANSWER 77 OF 102 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.

DUPLICATE 51
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hormone in milk.
SO Korean Journal of Animal Science, (1993) Vol. 35, No. 1, pp. 32-
38.
ISSN: 0367-5807.

L75 ANSWER 78 OF 102 MEDLINE DUPLICATE 52
TI The activated mammary gland specific nuclear factor (MGF)
enhances in
vitro transcription of the beta-casein gene promoter.
SO JOURNAL OF STEROID BIOCHEMISTRY AND MOLECULAR
BIOLOGY, (1993 Dec) 47 (1-6)
21-30.
Journal code: 9015483. ISSN: 0960-0760.

L75 ANSWER 79 OF 102 BIOSIS COPYRIGHT 2002
BIOLOGICAL ABSTRACTS INC.
TI Ha-ras and v-raf oncogenes, but not int-2 and c-myc, interfere with
the
lactogenic hormone dependent activation of the mammary gland
specific
transcription factor.
SO Cell Growth & Differentiation, (1993) Vol. 4, No. 1, pp. 9-15.
ISSN: 1044-9523.

L75 ANSWER 80 OF 102 MEDLINE DUPLICATE 53
TI Mammary gland-specific nuclear factor is present in lactating rodent
and
bovine mammary tissue and composed of a single polypeptide of 89
kDa.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 Aug 15) 267
(23) 16365-70.
Journal code: 2985121R. ISSN: 0021-9258.

L75 ANSWER 81 OF 102 MEDLINE DUPLICATE 54
TI A pregnancy-specific mammary nuclear factor involved in the
repression of
the mouse beta-casein gene transcription by progesterone.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 Mar 25) 267
(9) 5797-801.
Journal code: 2985121R. ISSN: 0021-9258.

L75 ANSWER 82 OF 102 MEDLINE DUPLICATE 55
TI Overexpression of Mos, Ras, Src, and Fos inhibits mouse mammary
epithelial
cell differentiation.
SO MOLECULAR AND CELLULAR BIOLOGY, (1992 Sep) 12 (9)
3890-902.
Journal code: 8109087. ISSN: 0270-7306.

L75 ANSWER 83 OF 102 MEDLINE DUPLICATE 56
TI Developmental and environmental regulation of a mammary gland-
specific
nuclear factor essential for transcription of the gene encoding
beta-casein.
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF
SCIENCES OF THE UNITED STATES OF
AMERICA, (1992 Apr 1) 89 (7) 3130-4.
Journal code: 7505876. ISSN: 0027-8424.

L75 ANSWER 84 OF 102 MEDLINE DUPLICATE 57
TI Progesterone regulation of a pregnancy-specific transcription
repressor to
beta-casein gene promoter in mouse mammary
gland.
SO ENDOCRINOLOGY, (1992 Nov) 131 (5) 2257-62.
Journal code: 0375040. ISSN: 0013-7227.

L75 ANSWER 85 OF 102 MEDLINE DUPLICATE 58
TI Mammary gland-specific nuclear factor activity is positively
regulated by
lactogenic hormones and negatively by milk stasis.
SO MOLECULAR ENDOCRINOLOGY, (1992 Dec) 6 (12) 1988-97.

L75 ANSWER 86 OF 102 MEDLINE DUPLICATE 59
TI A novel transcriptional enhancer is involved in the prolactin- and extracellular matrix-dependent regulation of beta-casein gene expression.
SO MOLECULAR BIOLOGY OF THE CELL, (1992 Jun) 3 (6) 699-709.

Journal code: 9201390. ISSN: 1059-1524.

L75 ANSWER 87 OF 102 CAPLUS COPYRIGHT 2002 ACS
TI Effect of the 3' flanking sequences of rat .beta.-casein and human growth hormone genes on gene expression in mammary epithelial cells
SO Mol. Cells (1992), 2(3), 315-20
CODEN: MOCEEK; ISSN: 1016-8478

L75 ANSWER 88 OF 102 MEDLINE
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SO BIO/TECHNOLOGY, (1992 Jan) 10 (1) 74-7.
Journal code: 8309273. ISSN: 0733-222X.

L75 ANSWER 89 OF 102 MEDLINE DUPLICATE 60
TI Differential effects of the simian virus 40 early genes on mammary epithelial cell growth, morphology, and gene expression.
SO EXPERIMENTAL CELL RESEARCH, (1992 Sep) 202 (1) 67-76.
Journal code: 0373226. ISSN: 0014-4827.

L75 ANSWER 90 OF 102 MEDLINE DUPLICATE 61
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SO MOLECULAR AND CELLULAR BIOLOGY, (1991 Jul) 11 (7) 3745-55.
Journal code: 8109087. ISSN: 0270-7306.

L75 ANSWER 91 OF 102 MEDLINE DUPLICATE 62
TI A heterologous hormone response element enhances expression of rat beta-casein promoter-driven chloramphenicol acetyltransferase fusion genes in the mammary gland of transgenic mice.
SO MOLECULAR ENDOCRINOLOGY, (1991 Oct) 5 (10) 1504-12.
Journal code: 8801431. ISSN: 0888-8809.

L75 ANSWER 92 OF 102 CAPLUS COPYRIGHT 2002 ACS
TI Synergistic action of glucocorticoid and insulin in expression of transfected rat .beta.-casein promoter/human growth hormone fusion gene in a mammary epithelial cell line
SO Mol. Cells (1991), 1(4), 459-64
CODEN: MOCEEK; ISSN: 1016-8478

L75 ANSWER 93 OF 102 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI IDENTIFICATION OF CIS-ACTING DNA ELEMENTS REQUIRED FOR HORMONAL INDUCTION OF MOUSE BETA CASEIN GENE PROMOTER.
SO ABSTRACTS OF PAPERS PRESENTED AT THE THIRTY-FIRST ANNUAL MEETING OF THE AMERICAN SOCIETY FOR CELL BIOLOGY, BOSTON, MASSACHUSETTS, USA, DECEMBER 8-12, 1991. J CELL BIOL. (1991) 115 (3 PART 2), 153A.
CODEN: JCLBA3. ISSN: 0021-9525.

L75 ANSWER 94 OF 102 MEDLINE
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SO BIOTECHNOLOGY, (1991) 16 65-74.
Journal code: 8300602. ISSN: 0740-7378.

L75 ANSWER 95 OF 102 CAPLUS COPYRIGHT 2002 ACS

TI Expression vectors for secretion of heterologous proteins into milk
SO Eur. Pat. Appl., 55 pp.
CODEN: EPXXDW

L75 ANSWER 96 OF 102 CAPLUS COPYRIGHT 2002 ACS
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SO Proc. Natl. Acad. Sci. U. S. A. (1990), 87(23), 9118-22
CODEN: PNASA6; ISSN: 0027-8424

L75 ANSWER 97 OF 102 CAPLUS COPYRIGHT 2002 ACS
TI Transfection of .beta.-casein chimeric gene and hormonal induction of its expression in primary murine mammary epithelial cells
SO Proc. Natl. Acad. Sci. U. S. A. (1990), 87(10), 3670-4
CODEN: PNASA6; ISSN: 0027-8424

L75 ANSWER 98 OF 102 MEDLINE DUPLICATE 63
TI Prolactin and glucocorticoid hormones control transcription of the beta-casein gene by kinetically distinct mechanisms.
SO MOLECULAR ENDOCRINOLOGY, (1990 Jun) 4 (6) 912-9.
Journal code: 8801431. ISSN: 0888-8809.

L75 ANSWER 99 OF 102 MEDLINE DUPLICATE 64
TI Differential regulation of rat beta-casein-chloramphenicol acetyltransferase fusion gene expression in transgenic mice.
SO MOLECULAR AND CELLULAR BIOLOGY, (1989 Feb) 9 (2) 560-5.
Journal code: 8109087. ISSN: 0270-7306.

L75 ANSWER 100 OF 102 MEDLINE DUPLICATE 65
TI Relative contribution of promoter and intragenic sequences in the hormonal regulation of rat beta-casein transgenes.
SO MOLECULAR ENDOCRINOLOGY, (1989 Mar) 3 (3) 447-53.
Journal code: 8801431. ISSN: 0888-8809.

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TI Prolactin and glucocorticoid hormones synergistically induce expression of transfected rat beta-casein gene promoter constructs in a mammary epithelial cell line.
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1989 Jan) 86 (1) 104-8.
Journal code: 7505876. ISSN: 0027-8424.

L75 ANSWER 102 OF 102 CAPLUS COPYRIGHT 2002 ACS
TI Manufacture of recombinant proteins by secretion into milk of transgenic mammals
SO PCT Int. Appl., 20 pp.
CODEN: PIXXD2

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L75 ANSWER 1 OF 102 CAPLUS COPYRIGHT 2002 ACS
TI Raising antibody concentration in milk of polymeric Ig receptor-transgenic animals
SO PCT Int. Appl., 39 pp.
CODEN: PIXXD2

L75 ANSWER 2 OF 102 MEDLINE DUPLICATE 1
TI Osteoprotegerin ligand induces beta-casein gene expression through the transcription factor CCAAT/enhancer-binding protein beta.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2002 Feb 15) 277 (7) 5339-44.
Journal code: 2985121R. ISSN: 0021-9258.

L75 ANSWER 3 OF 102 MEDLINE DUPLICATE 2
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GADD153 in mammary epithelial cells.
SO ONCOGENE, (2002 Jun 20) 21 (27) 4289-300.
Journal code: 8711562. ISSN: 0950-9232.

L75 ANSWER 4 OF 102 MEDLINE DUPLICATE 3
TI PRL signal transduction in the epithelial compartment of rat prostate maintained as long-term organ cultures in vitro.
SO ENDOCRINOLOGY, (2002 Jan) 143 (1) 228-38.
Journal code: 0375040. ISSN: 0013-7227.

L75 ANSWER 5 OF 102 CAPLUS COPYRIGHT 2002 ACS
TI High expression of human FIX(hFIX) in transgenic mice directed by goat .beta.-casein gene promoter
SO Yichuan Xuebao (2002), 29(3), 206-211
CODEN: ICHPCG; ISSN: 0379-4172

L75 ANSWER 6 OF 102 MEDLINE DUPLICATE 4
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SO Genet Sel Evol, (2002 Jan-Feb) 34 (1) 117-28.
Journal code: 9114088. ISSN: 0999-193X.

L75 ANSWER 7 OF 102 CAPLUS COPYRIGHT 2002 ACS
TI Immune tolerant transgenic rats secreting human growth hormone into milk
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF

L75 ANSWER 8 OF 102 MEDLINE DUPLICATE 5
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SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 Nov 2) 276 (44) 41086-94.
Journal code: 2985121R. ISSN: 0021-9258.

L75 ANSWER 9 OF 102 MEDLINE DUPLICATE 6
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SO CANCER RESEARCH, (2001 Sep 1) 61 (17) 6517-23.
Journal code: 2984705R. ISSN: 0008-5472.

L75 ANSWER 10 OF 102 MEDLINE DUPLICATE 7
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Journal code: 9100024. ISSN: 1044-9523.

L75 ANSWER 11 OF 102 CAPLUS COPYRIGHT 2002 ACS
TI High expression of human serum albumin in milk of transgenic mice directed by the goat .beta.-casein gene promoter region
SO Chinese Science Bulletin (2001), 46(7), 582-586
CODEN: CSBUEF; ISSN: 1001-6538

L75 ANSWER 12 OF 102 MEDLINE DUPLICATE 8
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SO TRANSGENIC RESEARCH, (2001 Dec) 10 (6) 571-5.
Journal code: 9209120. ISSN: 0962-8819.

L75 ANSWER 13 OF 102 CAPLUS COPYRIGHT 2002 ACS
TI Tissue specific expression of human serum albumin gene using goat

.beta.-
casein gene promoter in mouse tissue
SO Yichuan (2001), 23(6), 518-520
CODEN: ICHUDW; ISSN: 0253-9772

L75 ANSWER 14 OF 102 MEDLINE DUPLICATE 9
TI Bovine alpha-s1-casein gene sequences direct expression of a variant of human tissue plasminogen activator in the milk of transgenic mice.
SO I CHUAN HSUEH PAO. ACTA GENETICA SINICA, (2001 May) 28 (5) 405-10.
Journal code: 7900784. ISSN: 0379-4172.

L75 ANSWER 15 OF 102 MEDLINE DUPLICATE 10
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SO EXPERIMENTAL ANIMALS, (2001 Oct) 50 (5) 365-9.
Journal code: 9604830. ISSN: 1341-1357.

L75 ANSWER 16 OF 102 CAPLUS COPYRIGHT 2002 ACS
TI Transgenic mice carrying a gene for green fluorescent protein fused to a lytic peptide, Shiva 1, under control of the bovine .beta.-casein regulatory region
SO Transgenics (2001), 3(2-4), 183-197
CODEN: TADTEF; ISSN: 1023-6171

L75 ANSWER 17 OF 102 MEDLINE DUPLICATE 11
TI A comparative study on the integration of exogenous DNA into mouse, rat, rabbit, and pig genomes.
SO EXPERIMENTAL ANIMALS, (2001 Apr) 50 (2) 125-31.
Journal code: 9604830. ISSN: 1341-1357.

L75 ANSWER 18 OF 102 MEDLINE DUPLICATE 12
TI A cytosolic protein-tyrosine phosphatase PTP1B specifically dephosphorylates and deactivates prolactin-activated STAT5a and STAT5b.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2000 Dec 15) 275 (50) 39718-26.
Journal code: 2985121R. ISSN: 0021-9258.

L75 ANSWER 19 OF 102 MEDLINE
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SO JOURNAL OF IMMUNOLOGY, (2000 Nov 1) 165 (9) 5097-104.
Journal code: 2985117R. ISSN: 0022-1767.

L75 ANSWER 20 OF 102 MEDLINE DUPLICATE 13
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SO FASEB JOURNAL, (2000 Jun) 14 (9) 1159-70.
Journal code: 8804484. ISSN: 0892-6638.

L75 ANSWER 21 OF 102 MEDLINE DUPLICATE 14
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SO EXPERIMENTAL HEMATOLOGY, (2000 Mar) 28 (3) 305-10.
Journal code: 0402313. ISSN: 0301-472X.

L75 ANSWER 22 OF 102 CAPLUS COPYRIGHT 2002 ACS
TI Genomic human lactoferrin sequence induced high levels of protein expression in milk of transgenic mice
SO International Congress Series (2000), 1195(Lactoferrin: Structure, Function and Applications), 279-288
CODEN: EXMDA4; ISSN: 0531-5131

L75 ANSWER 23 OF 102 MEDLINE DUPLICATE 15
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SO TRANSGENIC RESEARCH, (2000 Jun) 9 (3) 215-22.
Journal code: 9209120. ISSN: 0962-8819.

L75 ANSWER 24 OF 102 MEDLINE DUPLICATE 16
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SO JOURNAL OF ENDOCRINOLOGY, (2000 Oct) 167 (1) 53-60.
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L75 ANSWER 25 OF 102 MEDLINE DUPLICATE 17
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Journal code: 7500844. ISSN: 0303-7207.

L75 ANSWER 26 OF 102 CAPLUS COPYRIGHT 2002 ACS
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lytic
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region
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From: Diss. Abstr. Int., B 2000, 60(11), 5363

L75 ANSWER 27 OF 102 CAPLUS COPYRIGHT 2002 ACS
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CODEN: PIXXD2

L75 ANSWER 28 OF 102 MEDLINE DUPLICATE 18
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Journal code: 0375040. ISSN: 0013-7227.

L75 ANSWER 29 OF 102 CAPLUS COPYRIGHT 2002 ACS
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milk of transgenic mice
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CODEN: DCEBE8; ISSN: 1044-5498

L75 ANSWER 30 OF 102 MEDLINE
TI Regulation of milk protein gene expression.
SO ANNUAL REVIEW OF NUTRITION, (1999) 19 407-36. Ref:
177
Journal code: 8209988. ISSN: 0199-9885.

L75 ANSWER 31 OF 102 MEDLINE DUPLICATE 19
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mice is
active as a sperm receptor, but can be lethal to newborns.
SO TRANSGENIC RESEARCH, (1999 Oct) 8 (5) 361-9.
Journal code: 9209120. ISSN: 0962-8819.

L75 ANSWER 32 OF 102 MEDLINE DUPLICATE 20
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mice
using genomic lactoferrin sequence.
SO JOURNAL OF BIOCHEMISTRY, (1999 Aug) 126 (2) 320-5.
Journal code: 0376600. ISSN: 0021-924X.

L75 ANSWER 33 OF 102 MEDLINE DUPLICATE 21
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Journal code: 9209120. ISSN: 0962-8819.

L75 ANSWER 34 OF 102 CAPLUS COPYRIGHT 2002 ACS
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expression in a mammary epithelial cell line
SO Transgenics (1999), 3(1), 23-29
CODEN: TADTEF; ISSN: 1023-6171

L75 ANSWER 35 OF 102 MEDLINE DUPLICATE 22
TI Analysis of control elements for position-independent expression of
human
alpha-lactalbumin YAC.
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999
Sep) 54 (1) 17-23.
Journal code: 8903333. ISSN: 1040-452X.

L75 ANSWER 36 OF 102 MEDLINE DUPLICATE 23
TI Thrombopoietin induces association of Crkl with STAT5 but not
STAT3 in
human platelets.
SO BLOOD, (1998 Dec 15) 92 (12) 4652-62.
Journal code: 7603509. ISSN: 0006-4971.

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milk, biochemical characteristics, correction of enzyme deficiency in
GSDII KO mice.
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BIOLOGICAL ABSTRACTS INC.
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beta-casein
gene in mouse mammary gland.
SO Science in China Series C Life Sciences, (Aug., 1998) Vol. 41, No.
4, pp.
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ISSN: 1006-9305.

L75 ANSWER 40 OF 102 CAPLUS COPYRIGHT 2002 ACS
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SO Fudan Xuebao, Ziran Kexueban (1998), 37(4), 365-371
CODEN: FHPTAY; ISSN: 0427-7104

L75 ANSWER 41 OF 102 MEDLINE DUPLICATE 26
TI Accurate spatial and temporal transgene expression driven by a
3.8-kilobase promoter of the bovine beta-casein gene in the lactating
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SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1998
Mar) 49 (3) 236-45.
Journal code: 8903333. ISSN: 1040-452X.

L75 ANSWER 42 OF 102 MEDLINE DUPLICATE 27
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cellular
confluence and sequence-specific DNA binding factors.
SO BIOCHEMICAL SOCIETY SYMPOSIA, (1998) 63 115-31.
Journal code: 7506896. ISSN: 0067-8694.

L75 ANSWER 43 OF 102 MEDLINE
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regulation
of milk protein gene expression.
SO BIOCHEMICAL SOCIETY SYMPOSIA, (1998) 63 101-13. Ref:
53
Journal code: 7506896. ISSN: 0067-8694.

L75 ANSWER 44 OF 102 CAPLUS COPYRIGHT 2002 ACS
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 the
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 SO Advances in Experimental Medicine and Biology (1998),
 443(Advances in
 Lactoferrin Research), 79-83
 CODEN: AEMBAP; ISSN: 0065-2598

L75 ANSWER 45 OF 102 CAPLUS COPYRIGHT 2002 ACS
 TI Murine protein kinase CK2.alpha.:cDNA and genomic cloning and
 chromosomal
 mapping
 SO Genomics (1998), 48(1), 79-86
 CODEN: GNMCEP; ISSN: 0888-7543

L75 ANSWER 46 OF 102 MEDLINE DUPLICATE 28
 TI Transcriptional inhibition by Stat5. Differential activities at
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 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1997 Oct 24) 272
 (43) 26841-9.
 Journal code: 2985121R. ISSN: 0021-9258.

L75 ANSWER 47 OF 102 MEDLINE DUPLICATE 29
 TI Growth hormone-induced tyrosyl phosphorylation and
 deoxyribonucleic acid
 binding activity of Stat5A and Stat5B.
 SO ENDOCRINOLOGY, (1997 Aug) 138 (8) 3426-34.
 Journal code: 0375040. ISSN: 0013-7227.

L75 ANSWER 48 OF 102 MEDLINE DUPLICATE 30
 TI STAT5A-deficient mice demonstrate a defect in granulocyte-
 macrophage
 colony-stimulating factor-induced proliferation and gene expression.
 SO BLOOD, (1997 Sep 1) 90 (5) 1768-76.
 Journal code: 7603509. ISSN: 0006-4971.

L75 ANSWER 49 OF 102 MEDLINE DUPLICATE 31
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 induction of
 the beta-casein gene promoter.
 SO MOLECULAR ENDOCRINOLOGY, (1997 Sep) 11 (10) 1449-57.
 Journal code: 8801431. ISSN: 0888-8809.

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L75 ANSWER 102 OF 102 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1989:451714 CAPLUS
 DOCUMENT NUMBER: 111:51714
 TITLE: Manufacture of recombinant proteins by secretion
 into
 milk of transgenic mammals
 INVENTOR(S): Meade, Harry; Longberg, Nils
 PATENT ASSIGNEE(S): Biogen N. V., Neth.
 SOURCE: PCT Int. Appl., 20 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8810118	A1	19881229	WO 1988-US2134	19880623
W: JP				
RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
US 4873316	A	19891010	US 1987-65994	19870623
EP 347431	A1	19891227	EP 1988-906454	19880623
EP 347431	B1	19951004		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 02500798	T2	19900322	JP 1988-505800	19880623
JP 2898003	B2	19990531		
AT 128625	E	19951015	AT 1988-906454	19880623

JP 11253097 A2 19990921 JP 1998-357018 19880623
 JP 2000300115 A2 20001031 JP 2000-71355 19880623
 US 5750172 A 19980512 US 1995-460959 19950605
 PRIORITY APPLN. INFO.: US 1987-65994 A 19870623
 JP 1988-505800 A3 19880623
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 US 1989-332293 B1 19890331
 US 1993-109865 B1 19930820
 US 1994-322984 A1 19941014

AB A method for producing desired proteins by producing transgenic
 mammals
 which secrete the protein into the milk is described. A section of the
 bovine .alpha. S-1 casein gene contg. the promoter and signal
 sequence was
 cloned. This DNA sequence was ligated to tissue-type plasminogen
 activator (tPA) cDNA via DNA contg. RNA processing splice sites
 (which
 allow the casein signal sequence RNA to be spliced to the tPA-
 encoding
 RNA) to prep. pCAS1151. Preimplantation fertilized mice embryos
 were
 microinjected with this (linearized) DNA and then implanted in
 pseudopregnant female mice. Of 262 embryos injected and
 implanted, 23
 live pups were born, 5 of which contained the desired DNA
 sequences. Male
 G0 mice were bred with females. Females of the G1 progeny which
 contained
 the tPA sequence produced 0.2-0.5 .mu.g tPA/mL milk.

L75 ANSWER 95 OF 102 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1991:179736 CAPLUS
 DOCUMENT NUMBER: 114:179736
 TITLE: Expression vectors for secretion of heterologous
 proteins into milk
 INVENTOR(S): Sekine, Susumu; Ito, Seiga; Katsuki, Motoya
 PATENT ASSIGNEE(S): Kyowa Hakko Kogyo Co., Ltd., Japan;
 Central Institute
 for Experimental Animals
 SOURCE: Eur. Pat. Appl., 55 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 390592	A2	19901003	EP 1990-303445	19900330
EP 390592	A3	19910612		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 02261386	A2	19901024	JP 1989-78574	19890331
CA 2013453	AA	19900930	CA 1990-2013453	19900330
PRIORITY APPLN. INFO.: JP 1989-78574 19890331				
AB Expression vectors that use regulatory elements from the bovine .alpha.S1 casein gene to drive expression of genes with resultant secretion of the product into the milk of a transgenic animal are constructed and used to manuf. urokinase in mice. The bovine .alpha.S1 gene was cloned using oligonucleotide probes to screen a Sau3A partial digest in EMBL3. The promoter region and the coding region up to the first intron were then subcloned and used to construct a set of expression vectors in combination with other regulatory sequences (e.g. rabbit .beta.-globin polyadenylation sequences) for the manuf. of prourokinase. The linearized plasmids were microinjected into fertilized eggs of mice. Offspring were screened for				

the presence of the foreign DNA and urokinase in milk detd. Yields of 15

units prourokinase/mL were found and the protein was purified by chromatog. and immune-affinity chromatog. with a yield of 33%.

L75 ANSWER 27 OF 102 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:811371 CAPLUS

DOCUMENT NUMBER: 132:31780

TITLE: Chimeric genes for human erythropoietin analog-human

serum albumin fusion proteins and their use in drug preparation and gene therapy

INVENTOR(S): Young, Michael W.; Meade, Harry M.; Krane, Ian M.

PATENT ASSIGNEE(S): Genzyme Transgenics Corp., USA

SOURCE: PCT Int. Appl., 61 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9966054	A2	19991223	WO 1999-US13438	19990615
WO 9966054	A3	20000406		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9945668	A1	20000105	AU 1999-45668	19990615
EP 1088084	A2	20010404	EP 1999-928656	19990615
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
JP 2002518018	T2	20020625	JP 2000-554863	19990615
PRIORITY APPLN. INFO.: US 1998-89343P P 19980615				
WO 1999-US13438 W 19990615				
AB Chimeric genes encoding human erythropoietin analog(EPOa)-human serum albumin (hSA) fusion proteins and their use in drug prepn. and gene therapy was described. The fusion protein can be used to treat anemia assocd. with a no. of diseases. The fusion protein EPOa-hSA could be constructed in the format of: R1-L-R2, or R2-L-R1, or R1-L-R2-L-R1 wherein R1 is an EPOa amino acid sequence (without glycosylation site), L is a peptide linker ((SGGG)3SP) and R2 is an hSA amino acid sequence. The test expression vector was made of cDNA for human urinary glycosylation-free erythropoietin (by altering glycosylation sites N24.fwdarw.Q, N38.fwdarw.Q, N83.fwdarw.Q, S126.fwdarw.A), a DNA for linker peptide (SG4)4 and cDNA for hSA. By expressing it in COS7 cells, the fusion protein was secreted with the expected size shown by Western blot anal. EPOa-linker-hSA was expressed at about 4-fold higher level than hSA-linker-EPOa (232ng/mL vs. 59ng/mL, resp.) shown by ELISA using				

.alpha.-hSA antibody. EPOa-hSA chimeric gene was specifically expressed in lactating mammary gland using goat .beta.-casein gene promoter in the transgenic mice. The hematocrit levels for the bioactivity of EPO in these transgenic mice and their virgin offspring were significantly increased compared to those in normal mice.

Methods of generating the transgenic goats to produce EPOa-hSA fusion protein in milk was provided. The chimeric EPOa-hSA gene is potentially

useful for drug prepn. and gene therapy.

=> dup rem 140

PROCESSING COMPLETED FOR L40

L76 10 DUP REM L40 (5 DUPLICATES REMOVED)

=> d ti so 1-10

L76 ANSWER 1 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

1
TI Expression of a heterologous protein C in mammary tissue of transgenic

animals using a long whey acidic protein promoter.

SO Official Gazette of the United States Patent and Trademark Office Patents,

(July 17, 2001) Vol. 1248, No. 3, pp. No Pagination. e-file. ISSN: 0098-1133.

L76 ANSWER 2 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

2
TI Establishment of La-tPA/G-CSF dual transgenic mice and expression in their mammary gland.

SO Science in China Series C Life Sciences, (June, 1999) Vol. 42, No. 3, pp.

330-336.
ISSN: 1006-9305.

L76 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2002 ACS

TI In vivo and in vitro expression of human serum albumin genomic sequences

in mammary epithelial cells with .beta.-lactoglobulin and whey acidic protein promoters

SO Molecular Reproduction and Development (1999), 52(3), 241-252
CODEN: MREDEE; ISSN: 1040-452X

L76 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2002 ACS

TI Correction of RNA aberrant splice increases foreign gene expression in transgenic mice

SO Chinese Science Bulletin (1999), 44(3), 221-225
CODEN: CSBUEF; ISSN: 1001-6538

L76 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2002 ACS

TI Detection of human protein C gene interaction in transgenic rabbits by

polymerase chain reaction

SO Veterinarni Medicina (Prague) (1999), 44(3), 79-82
CODEN: VTMDAR; ISSN: 0375-8427

L76 ANSWER 6 OF 10 MEDLINE

DUPLICATE 3

TI Growth hormone-releasing hormone (GHRH)-GH-somatic growth and luteinizing

hormone (LH)RH-LH-ovarian axes in adult female transgenic mice expressing

human GH gene.

SO JOURNAL OF NEUROENDOCRINOLOGY, (1997 Aug) 9 (8) 615-26.

Journal code: 8913461. ISSN: 0953-8194.

L76 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2002 ACS
TI The effect of matrix attached regions (MAR) and specialized
chromatin
structure (SCS) on the expression of gene constructs in cultured cells
and
in transgenic mice
SO Mol. Biol. Rep. (1996), Volume Date 1995-1996, 22(1), 37-46
CODEN: MLBRBU; ISSN: 0301-4851

L76 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2002 ACS
TI Production of growth hormone in transgenic animal milk
SO PCT Int. Appl., 13 pp.
CODEN: PIXXD2

L76 ANSWER 9 OF 10 MEDLINE DUPLICATE 4
TI Transgenic production of a variant of human tissue-type
plasminogen
activator in goat milk: generation of transgenic goats and analysis of
expression.
SO BIO/TECHNOLOGY, (1991 Sep) 9 (9) 835-8.
Journal code: 8309273. ISSN: 0733-222X.

L76 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2002 ACS
TI Production of human tissue plasminogen activator in transgenic
mouse milk
SO Bio/Technology (1987), 5(11), 1183-5, 1187
CODEN: BTCHDA; ISSN: 0733-222X

=> d ibib ab 10,8

L76 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1989:528172 CAPLUS
DOCUMENT NUMBER: 111:128172
TITLE: Production of human tissue plasminogen activator in
transgenic mouse milk
AUTHOR(S): Gordon, Katherine; Lee, Eric; Vitale, James A.;
Smith, Alan E.; Westphal, Heiner; Hennighausen, Lothar
CORPORATE SOURCE: Integr. Genet., Framingham, MA, 01701,
USA
SOURCE: Bio/Technology (1987), 5(11), 1183-5, 1187
CODEN: BTCHDA; ISSN: 0733-222X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB An effort was made to express an exogenous gene in the mammary
epithelium
of transgenic mice in the hope that the encoded protein would be
secreted
into milk. The promoter and upstream regulatory sequences from the
murine
whey acid protein (WAP) gene were fused to cDNA encoding human
tissue
plasminogen activator (t-PA) with its endogenous secretion signal
sequence. This hybrid gene was injected into mouse embryos,
resultant
transgenic mice were mated, and milk obtained from lactating
females was
shown to contain biol. active t-PA. This result establishes the
feasibility of secretion into the milk of transgenic animals for prodn.
of
biol. active heterologous proteins, and may provide a powerful
method to
produce such proteins on a large scale.

L76 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1991:402508 CAPLUS
DOCUMENT NUMBER: 115:2508
TITLE: Production of growth hormone in transgenic animal
milk
INVENTOR(S): Reddy, Vermuri B.; Wei, Cha Mer; Garramone,
Anthony J.
PATENT ASSIGNEE(S): TSI-Mason Research Institute, USA
SOURCE: PCT Int. Appl., 13 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9103551	A1	19910321	WO 1990-US5130	19900911
W: CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE				
CA 2065866	AA	19910312	CA 1990-2065866	19900911
JP 04506751	T2	19921126	JP 1990-513054	19900911
JP 06339331	A2	19941213	JP 1994-169	19940105
PRIORITY APPLN. INFO.: US 1989-405452 19890911				
WO 1990-US5130 19900911				
AB Growth hormone is produced by expression of the growth hormone gene from a mammary tissue-specific promoter in the mammary glands of a lactating transgenic female. Transgenic mice having the human growth hormone (hGH) gene linked to the whey acid protein promoter incorporated into its genome were prepd. by conventional methods. The lactating female mice secreted >50 ng hGH/mL milk.				

=> dup rem l41
PROCESSING COMPLETED FOR L41
L77 10 DUP REM L41 (11 DUPLICATES REMOVED)

=> d ti so 1-10

L77 ANSWER 1 OF 10 MEDLINE DUPLICATE 1
TI Production of low-lactose milk by ectopic expression of intestinal
lactase
in the mouse mammary gland.
SO NATURE BIOTECHNOLOGY, (1999 Feb) 17 (2) 160-4.
Journal code: 9604648. ISSN: 1087-0156.

L77 ANSWER 2 OF 10 MEDLINE DUPLICATE 2
TI Introduction of a proximal Stat5 site in the murine alpha-
lactalbumin promoter induces prolactin dependency in
vitro and improves expression frequency in vivo.
SO TRANSGENIC RESEARCH, (1999 Feb) 8 (1) 23-31.
Journal code: 9209120. ISSN: 0962-8819.

L77 ANSWER 3 OF 10 MEDLINE DUPLICATE 3
TI Analysis of control elements for position-independent expression of
human
alpha-lactalbumin YAC.
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999
Sep) 54 (1) 17-23.
Journal code: 8903333. ISSN: 1040-452X.

L77 ANSWER 4 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI Production of transgenic pigs and mice containing the gene
encoding human insulin-like growth factor I (IGF-I) under control of
the
bovine alpha-lactalbumin promoter and regulatory
regions.
SO Journal of Dairy Science, (1998) Vol. 81, No. SUPPL. 1, pp. 213.
Meeting Info.: Joint Meeting of the American Dairy Science
Association and
the American Society of Animal Science Denver, Colorado, USA
July 28-31,
1998 American Society of Animal Science
. ISSN: 0022-0302.

L77 ANSWER 5 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI The role of vitamin A in differentiation and skin carcinogenesis.
SO Journal of Nutritional Biochemistry, (1997) Vol. 8, No. 8, pp. 426-
437.

L77 ANSWER 6 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

4
TI Genetic modification of bovine beta-casein and its expression in the milk of transgenic mice.
SO Journal of Agricultural and Food Chemistry, (1996) Vol. 44, No. 3, pp. 953-960.
ISSN: 0021-8561.

L77 ANSWER 7 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Introduction of a proximal STAT5 binding site into the murine alpha-lactalbumin promoter eliminates constitutive activity and leads to prolactin dependency in CHO and HC11 cells.
SO Animal Genetics, (1996) Vol. 27, No. SUPPL. 2, pp. 99.
Meeting Info.: 25th International Conference on Animal Genetics Tours, France July 21-25, 1996
ISSN: 0268-9146.

L77 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2002 ACS

TI The bovine .alpha.-lactalbumin promoter directs expression of ovine trophoblast interferon in the mammary gland of transgenic mice [Erratum to document cited in CA115(7):66096k]
SO FEBS Lett. (1991), 288(1-2), 247
CODEN: FEBLAL; ISSN: 0014-5793

L77 ANSWER 9 OF 10 MEDLINE DUPLICATE 5

TI The bovine alpha-lactalbumin promoter directs expression of ovine trophoblast interferon in the mammary gland of transgenic mice.
SO FEBS LETTERS, (1991 Jun 17) 284 (1) 19-22.
Journal code: 0155157. ISSN: 0014-5793.

L77 ANSWER 10 OF 10 MEDLINE DUPLICATE 6

TI Conserved region of the rat alpha-lactalbumin promoter is a target site for protein binding in vitro.
SO BIOCHEMICAL JOURNAL, (1988 Dec 1) 256 (2) 391-6.
Journal code: 2984726R. ISSN: 0264-6021.

=> dup rem l42

PROCESSING COMPLETED FOR L42

L78 44 DUP REM L42 (33 DUPLICATES REMOVED)

=> d ti so 1-44

L78 ANSWER 1 OF 44 MEDLINE DUPLICATE 1

TI Tissue-specific induction of SOCS gene expression by PRL.
SO ENDOCRINOLOGY, (2001 Nov) 142 (11) 5015-26.
Journal code: 0375040. ISSN: 0013-7227.

L78 ANSWER 2 OF 44 MEDLINE DUPLICATE 2

TI Virus-neutralizing monoclonal antibody expressed in milk of transgenic mice provides full protection against virus-induced encephalitis.
SO JOURNAL OF VIROLOGY, (2001 Mar) 75 (6) 2803-9.
Journal code: 0113724. ISSN: 0022-538X.

L78 ANSWER 3 OF 44 CAPLUS COPYRIGHT 2002 ACS

TI Expression mammary gland-specific of the goat .beta.-lactoglobulin gene comprising a 410 bp-long promoter in transgenic mice
SO Transgenics (2001), 3(2-4), 175-182
CODEN: TADTEF; ISSN: 1023-6171

L78 ANSWER 4 OF 44 CAPLUS COPYRIGHT 2002 ACS

TI Interference with viral infection by transgenesis or tissue specific expression
SO Molecular Farming, Proceedings of the OECD Workshop, La

Grande Motte,

France, Sept. 3-6, 2000 (2001), Meeting Date 2000, 39-51. Editor(s): Toutant, Jean-Pierre; Balazs, Ervin. Publisher: Institut National de la Recherche Agronomique, Paris, Fr.
CODEN: 69BFLY; ISSN: 1159-554X

L78 ANSWER 5 OF 44 MEDLINE DUPLICATE 3

TI Transforming growth factor beta3 induces cell death during the first stage of mammary gland involution.
SO DEVELOPMENT, (2000 Jul) 127 (14) 3107-18.
Journal code: 8701744. ISSN: 0950-1991.

L78 ANSWER 6 OF 44 MEDLINE DUPLICATE 4

TI Mammary gland specific hEGF receptor transgene expression induces neoplasia and inhibits differentiation.
SO ONCOGENE, (2000 Apr 20) 19 (17) 2129-37.
Journal code: 8711562. ISSN: 0950-9232.

L78 ANSWER 7 OF 44 MEDLINE DUPLICATE 5

TI Breast cancer-specific expression of the Candida albicans cytosine deaminase gene using a transcriptional targeting approach.
SO CANCER GENE THERAPY, (2000 Jun) 7 (6) 845-52.
Journal code: 9432230. ISSN: 0929-1903.

L78 ANSWER 8 OF 44 CAPLUS COPYRIGHT 2002 ACS

TI Multiple copies of .beta.-lactoglobulin promoter do not function as LCR
SO Biochemical and Biophysical Research Communications (2000), 272(1), 284-289
CODEN: BBRC9; ISSN: 0006-291X

L78 ANSWER 9 OF 44 MEDLINE DUPLICATE 6

TI Expression of a functional mouse-human chimeric anti-CD19 antibody in the milk of transgenic mice.
SO TRANSGENIC RESEARCH, (2000 Apr) 9 (2) 155-9.
Journal code: 9209120. ISSN: 0962-8819.

L78 ANSWER 10 OF 44 MEDLINE

TI Insulin-like growth factor binding proteins: IGF-dependent and -independent effects in the mammary gland.
SO JOURNAL OF MAMMARY GLAND BIOLOGY AND NEOPLASIA, (2000 Jan) 5 (1) 65-73.
Ref: 62
Journal code: 9601804. ISSN: 1083-3021.

L78 ANSWER 11 OF 44 MEDLINE

TI Insulin-like growth factor binding protein-5 (IGFBP-5) potentially regulates programmed cell death and plasminogen activation in the mammary gland.
SO ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY, (2000) 480 45-53. Ref: 34
Journal code: 0121103. ISSN: 0065-2598.

L78 ANSWER 12 OF 44 MEDLINE DUPLICATE 7

TI Use of doxycycline-controlled gene expression to reversibly alter milk-protein composition in transgenic mice.
SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1999 Mar) 260 (2) 533-9.
Journal code: 0107600. ISSN: 0014-2956.

L78 ANSWER 13 OF 44 MEDLINE DUPLICATE 8

TI In vivo and in vitro expression of human serum albumin genomic sequences in mammary epithelial cells with beta-lactoglobulin and whey acidic protein promoters.
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999 Mar) 52 (3) 241-52.
Journal code: 8903333. ISSN: 1040-452X.

L78 ANSWER 14 OF 44 MEDLINE DUPLICATE 9
TI Variable immune response against a developmentally regulated self-antigen.

SO JOURNAL OF AUTOIMMUNITY, (1999 Feb) 12 (1) 27-34.
Journal code: 8812164. ISSN: 0896-8411.

L78 ANSWER 15 OF 44 MEDLINE DUPLICATE 10
TI Gene expression in the mammary glands of transgenic animals.
SO BIOCHEMICAL SOCIETY SYMPOSIA, (1998) 63 133-40. Ref: 29
Journal code: 7506896. ISSN: 0067-8694.

L78 ANSWER 16 OF 44 CAPLUS COPYRIGHT 2002 ACS
TI Target-specific protein production in transgenic mammals
SO Eur. Pat. Appl., 16 pp.
CODEN: EPXXDW

L78 ANSWER 17 OF 44 MEDLINE DUPLICATE 11
TI Targeted expression of MDM2 uncouples S phase from mitosis and inhibits
mammary gland development independent of p53.
SO GENES AND DEVELOPMENT, (1997 Mar 15) 11 (6) 714-25.
Journal code: 8711660. ISSN: 0890-9369.

L78 ANSWER 18 OF 44 CAPLUS COPYRIGHT 2002 ACS
TI Production of human serum albumin in the milk of transgenic animals
SO Proceedings of International Conference on Animal Biotechnology, Beijing, June 11-14, 1997 (1997), 353-358. Editor(s): Li, Ning; Chen, Yongfu.
Publisher: International Academic Publishers, Beijing, Peop. Rep. China.
CODEN: 68CNAB

L78 ANSWER 19 OF 44 CAPLUS COPYRIGHT 2002 ACS
TI mRNA expression of human blood coagulation factor VIII (FVIII) gene
constructs in transgenic mice
SO Transgenics (1997), 2(2), 175-182
CODEN: TADTEF; ISSN: 1023-6171

L78 ANSWER 20 OF 44 MEDLINE DUPLICATE 12
TI Selective cell ablation in transgenic mice expression E. coli nitroreductase.
SO GENE THERAPY, (1997 Feb) 4 (2) 101-10.
Journal code: 9421525. ISSN: 0969-7128.

L78 ANSWER 21 OF 44 MEDLINE DUPLICATE 13
TI Transgene rescue in the mammary gland is associated with transcription but
does not require translation of BLG transgenes.
SO TRANSGENIC RESEARCH, (1997 Jan) 6 (1) 11-7.
Journal code: 9209120. ISSN: 0962-8819.

L78 ANSWER 22 OF 44 CAPLUS COPYRIGHT 2002 ACS
TI Viral and plasmid vectors encoding mouse mammary tumor virus Naf repressor
or Sag antigen for control of viral infections or lymphocyte gene therapy
SO PCT Int. Appl., 44 pp.
CODEN: PIXXD2

L78 ANSWER 23 OF 44 CAPLUS COPYRIGHT 2002 ACS
TI Transgenic nonhuman animals expressing nitroreductase which
converts
prodrug to cytotoxic drug
SO PCT Int. Appl., 46 pp.
CODEN: PIXXD2

L78 ANSWER 24 OF 44 MEDLINE DUPLICATE 14
TI High-level expression of recombinant human fibrinogen in the milk of
transgenic mice.

SO NATURE BIOTECHNOLOGY, (1996 Jul) 14 (7) 867-71.
Journal code: 9604648. ISSN: 1087-0156.

L78 ANSWER 25 OF 44 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Expression of human blood clotting factor VIII (FVIII) constructs in the
mammary gland of transgenic mice and sheep.
SO Journal of Animal Breeding and Genetics, (1996) Vol. 113, No. 4-5, pp. 437-444.
ISSN: 0931-2668.

L78 ANSWER 26 OF 44 CAPLUS COPYRIGHT 2002 ACS
TI The glycosylation of human recombinant alpha-1-antitrypsin expressed in
transgenic mice
SO Biochem. Soc. Trans. (1996), 24(3), 339S
CODEN: BCSTB5; ISSN: 0300-5127

L78 ANSWER 27 OF 44 MEDLINE DUPLICATE 15
TI Hormonal influences on beta-lactoglobulin transgene expression inferred
from chromatin structure.
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1996 Jul 5) 224 (1) 121-5.
Journal code: 0372516. ISSN: 0006-291X.

L78 ANSWER 28 OF 44 CAPLUS COPYRIGHT 2002 ACS
TI Modified .alpha.-lactalbumins containing few or no phenylalanines for
dietary supplementation in hyperphenylalaninemia
SO PCT Int. Appl., 77 pp.
CODEN: PIXXD2

L78 ANSWER 29 OF 44 MEDLINE DUPLICATE 16
TI Stat5 as a target for regulation by extracellular matrix.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Sep 15) 270 (37) 21639-44.
Journal code: 2985121R. ISSN: 0021-9258.

L78 ANSWER 30 OF 44 CAPLUS COPYRIGHT 2002 ACS
TI Human erythropoietin-induced polycythemia in transgenic mice
SO Mol. Cells (1995), 5(6), 634-40
CODEN: MOCEEK; ISSN: 1016-8478

L78 ANSWER 31 OF 44 MEDLINE DUPLICATE 17
TI Dramatic heterogeneity of transgene expression in the mammary gland of
lactating mice: a model system to study the synthetic activity of
mammary epithelial cells.
SO JOURNAL OF HISTOCHEMISTRY AND CYTOCHEMISTRY, (1995 May) 43 (5) 461-70.
Journal code: 9815334. ISSN: 0022-1554.

L78 ANSWER 32 OF 44 CAPLUS COPYRIGHT 2002 ACS
TI Efficient expression of human .alpha.1-antitrypsin by the caprine .beta.-
lactoglobulin promoter in the mouse mammary cell, HC11
SO Mol. Cells (1995), 5(3), 275-81
CODEN: MOCEEK; ISSN: 1016-8478

L78 ANSWER 33 OF 44 CAPLUS COPYRIGHT 2002 ACS
TI Heterogeneous expression and synthesis of human serum albumin in the
mammary gland of transgenic mice
SO Intercell. Signalling Mammary Gland, [Proc. Hannah Symp.] (1995), Meeting
Date 1994, 171-2. Editor(s): Wilde, Colin J.; Peaker, Malcolm; Knight, Christopher H. Publisher: Plenum, New York, N. Y.

CODEN: 61ZIAS

L78 ANSWER 34 OF 44 MEDLINE DUPLICATE 18
 TI Epithelial proliferation and differentiation in the mammary gland do not
 correlate with cFABP gene expression during early pregnancy.
 SO DEVELOPMENTAL GENETICS, (1995) 17 (2) 167-75.
 Journal code: 7909963. ISSN: 0192-253X.

L78 ANSWER 35 OF 44 MEDLINE DUPLICATE 19
 TI The proximal milk protein binding factor binding site is required for the
 prolactin responsiveness of the sheep beta-lactoglobulin promoter in
 Chinese hamster ovary cells.
 SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1995
 Jan) 107 (1) 113-21.
 Journal code: 7500844. ISSN: 0303-7207.

L78 ANSWER 36 OF 44 MEDLINE DUPLICATE 20
 TI Expression of genomic and cDNA transgenes after co-integration in
 transgenic mice.
 SO TRANSGENIC RESEARCH, (1995 Jan) 4 (1) 39-43.
 Journal code: 9209120. ISSN: 0962-8819.

L78 ANSWER 37 OF 44 MEDLINE DUPLICATE 21
 TI Tissue-specific, temporally regulated expression mediated by the
 proximal
 ovine beta-lactoglobulin promoter in transgenic
 mice.
 SO CELLULAR AND MOLECULAR BIOLOGY RESEARCH,
 (1995) 41 (1) 11-5.
 Journal code: 9316986. ISSN: 0968-8773.

L78 ANSWER 38 OF 44 MEDLINE DUPLICATE 22
 TI Specific combinations of human serum albumin introns direct high
 level
 expression of albumin in transfected COS cells and in the milk of
 transgenic mice.
 SO TRANSGENIC RESEARCH, (1994 Nov) 3 (6) 365-75.
 Journal code: 9209120. ISSN: 0962-8819.

L78 ANSWER 39 OF 44 CAPLUS COPYRIGHT 2002 ACS
 TI Ectopic expression of .beta.-lactoglobulin/human serum albumin
 fusion
 genes in transgenic mice: hormonal regulation and in situ localization
 SO Transgenic Res. (1994), 3(3), 141-51
 CODEN: TRSEES; ISSN: 0962-8819

L78 ANSWER 40 OF 44 BIOSIS COPYRIGHT 2002 BIOLOGICAL
 ABSTRACTS INC. DUPLICATE
 23
 TI HSA production by mammary explants of virgin transgenic mice: A
 reliable
 tool for predicting levels of secretion into milk.
 SO Animal Biotechnology, (1993) Vol. 4, No. 2, pp. 203-215.
 ISSN: 1049-5398.

L78 ANSWER 41 OF 44 CAPLUS COPYRIGHT 2002 ACS
 TI Expression of human serum albumin in the milk of transgenic mice
 SO Transgenic Res. (1992), 1(5), 195-208
 CODEN: TRSEES

L78 ANSWER 42 OF 44 CAPLUS COPYRIGHT 2002 ACS
 TI Position-independent expression of the ovine .beta.-lactoglobulin
 gene in
 transgenic mice
 SO Biochem. J. (1992), 286(1), 31-9
 CODEN: BIJOAK; ISSN: 0306-3275

L78 ANSWER 43 OF 44 CAPLUS COPYRIGHT 2002 ACS
 TI Interaction of DNA-binding proteins with a milk protein gene
 promoter in
 vitro: identification of a mammary gland-specific factor
 SO Nucleic Acids Res. (1991), 19(23), 6603-10

CODEN: NARHAD; ISSN: 0305-1048

L78 ANSWER 44 OF 44 CAPLUS COPYRIGHT 2002 ACS
 TI Manufacture of protein with transgenic mammals
 SO PCT Int. Appl., 101 pp.
 CODEN: PIXXD2

=> d ibib ab 44,25,24,16

L78 ANSWER 44 OF 44 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1990:586092 CAPLUS
 DOCUMENT NUMBER: 113:186092
 TITLE: Manufacture of protein with transgenic mammals
 INVENTOR(S): Archibald, Alan Langskill; Clark, Anthony
 John;
 Harris, Stephen; McClenaghan, Margaret; Simons, John
 Paul; Whitelaw, Christopher Bruce Ale
 PATENT ASSIGNEE(S): Pharmaceutical Proteins Ltd., UK
 SOURCE: PCT Int. Appl., 101 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9005188	A1	19900517	WO 1989-GB1343	19891113
W: AU, DK, FI, HU, JP, KR, NO, SU, US				
RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
AU 8944943	A1	19900528	AU 1989-44943	19891113
AU 628101	B2	19920910		
EP 396699	A1	19901114	EP 1989-912273	19891113
EP 396699	B1	19971001		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 03505674	T2	19911212	JP 1989-511400	19891113
JP 3141999	B2	20010307		
AT 158817	E	19971015	AT 1989-912273	19891113
US 5861299	A	19990119	US 1994-343884	19941117
US 5650503	A	19970722	US 1994-359854	19941220
PRIORITY APPLN. INFO.: GB 1988-26446 A 19881111				
WO 1989-GB1343 A 19891113				
US 1990-536672 B3 19900911				
US 1992-925737 B1 19920807				
US 1992-926192 B1 19920807				
AB A genetic construct that uses the 5' flanking sequence from a mammalian milk-protein gene to express a heterologous gene contg. >1, but not all customary introns is used to prep. transgenic mammals. The transgenic mammals may be used to produce the heterologous protein that, being expressed from a milk-protein gene, are secreted into milk for easier recovery of the protein. A cassette contg. the genomic sequences for human liver .alpha.1-antitrypsin minus intron 1 fused to the promoter of the ovine .beta.-lactoglobulin gene was prepd. This construct was used to prep. transgenic mice by std. methods. Transgenic offspring were identified by Northern blotting, and .alpha.1-antitrypsin was found by immunoblotting of milk from transgenic females. Transgenic sheep contg. a human blood clotting factor IX gene were also prepd.				

L78 ANSWER 25 OF 44 BIOSIS COPYRIGHT 2002 BIOLOGICAL
 ABSTRACTS INC.
 ACCESSION NUMBER: 1996:575355 BIOSIS
 DOCUMENT NUMBER: PREV199799290036
 TITLE: Expression of human blood clotting factor VIII (FVIII)
 constructs in the mammary gland of transgenic mice and
 sheep.
 AUTHOR(S): Niemann, H. (1); Halter, R.; Espanion, G.;

Wrenzycki, C.;
Herrmann, D.; Lemme, E.; Carnwath, J. W.; Paul, D.
CORPORATE SOURCE: (1) Inst. Tierzucht Tiervershalten Mariensee,
D-31535

Neustadt Germany
SOURCE: Journal of Animal Breeding and Genetics, (1996)
Vol. 113,

No. 4-5, pp. 437-444.
ISSN: 0931-2668.

DOCUMENT TYPE: Article
LANGUAGE: English

SUMMARY LANGUAGE: English; German

AB The aim of this study is to produce transgenic mice and sheep
which express large amounts of human anti-hemophilic factor VIII
(FVIII)

in the mammary gland. To overcome the potentially low expression
of

cDNA-constructs we have added heterologous introns from the
murine
metallothionein (MT-I) gene, resulting in gene constructs of 13 200
and 14

400 bp, respectively. Via microinjection of zygotes recovered from
superovulated donors, we have produced 25 lines of transgenic mice
with four different constructs of which two are under the control of
the

beta-lactoglobulin (beta-Lac) promoter and two under
the control of the Whey acidic protein (WAP) promoter. One of the
beta-Lac- or WAP-hFVIII constructs possessed the MT-I fragment
containing

both introns in the 3'-untranslated region of the FVIII cDNA,
respectively. Expression of FVIII cDNA was determined in
mammary tissue of
the transgenic mouse =by reverse transcriptase PCR (RT-PCR). Of
these 25 transgenic lines 13 (52%) expressed the integrated gene
construct

(WAP hFVIII 7/4, WAP hFVIII MT-I 11/5, beta-Lac hFVIII 2/1,
beta-Lac
hFVIII MT-I 5/3). By restriction enzyme analysis of the PCR
products and

Southern Blot analysis with FVIII probes we confirmed specificity of
the

expression of the transgene. Following microinjection of beta-Lac
hFVIII
or beta-Lac hFVIII MT-I constructs we have generated 8 transgenic
founder

sheep. One beta-Lac hFVIII MT-I sheep expressed FVIII in the
lactating
mammary gland as detected by RT-PCR from biopsied mammary
gland tissue.

Two male founder animals transmitted the transgene in a Mendelian
fashion

to their- offspring. To achieve site independent expression, new gene
constructs employing matrix-attachment region elements (MAR)
(MAR-beta-Lac-hFVIII MT-I) were recently microinjected into
pronuclei and

two-female and two male founder lambs were obtained. The total
efficiency

of microinjection into pronuclei of ovine zygotes has been 2.9%
transgenic

lambs (12/413). Analysis of mouse and sheep milk using two
different clotting assays and a sandwich ELISA did not reliably
indicate

the presence of active FVIII in milk. Currently, identification of
FVIII

in the milk of transgenic founder and F-1 females with the aid of a
sensitive antibody is under investigation.

L78 ANSWER 24 OF 44 MEDLINE DUPLICATE 14
ACCESSION NUMBER: 1998294468 MEDLINE
DOCUMENT NUMBER: 98294468 PubMed ID: 9631012
TITLE: High-level expression of recombinant human fibrinogen
in

the milk of transgenic mice.

AUTHOR: Prunkard D; Cottingham I; Garner I; Bruce S;

Dalrymple M;

Lasser G; Bishop P; Foster D
CORPORATE SOURCE: ZymoGenetics, Inc., Seattle, WA 98102,
USA.

prunkard@zgi.com
SOURCE: NATURE BIOTECHNOLOGY, (1996 Jul) 14 (7)
867-71.

Journal code: 9604648. ISSN: 1087-0156.
PUB. COUNTRY: United States

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199807

ENTRY DATE: Entered STN: 19980716

Last Updated on STN: 19980716

Entered Medline: 19980707

AB Fibrinogen is a complex plasma protein composed of two each of
three

different polypeptide chains. We have targeted expression of r-human
fibrinogen to the mammary gland of transgenic mice. Three
expression cassettes, each containing the genomic sequence for one
of the

three human fibrinogen chains controlled by sheep whey protein
beta-

lactoglobulin promoter sequences, were coinjected into
fertile mouse eggs. Southern blot analysis demonstrated that
more than 80% of the transgenic founders contained all three
fibrinogen

genes. Reducing sodium dodecyl sulfate polyacrylamide gel
electrophoresis

of milk from the highest producing founder animal demonstrated the
presence of human fibrinogen subunits at concentrations of 2000
micrograms/ml. In several animals with a balanced ratio of the
individual

fibrinogen subunits, up to 100% of the protein was incorporated into
fully

assembled fibrinogen hexamers. Incubation of the transgenic milk
with

thrombin and factor XIII resulted in a cross-linked fibrin clot,
indicating that a major portion of the secreted fibrinogen was
functional.

These studies represent the first report of high-level biosynthesis and
secretion of a functional, complex, hexameric protein in the milk of a
transgenic animal.

L78 ANSWER 16 OF 44 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:347207 CAPLUS

DOCUMENT NUMBER: 126:313175

TITLE: Target-specific protein production in transgenic
mammals

INVENTOR(S): Barash, Itamar; Shani, Moshe; Nathan,
Margaret;

Hurwitz, David R.

PATENT ASSIGNEE(S): State of Israel-Ministry of Agriculture,
Israel

SOURCE: Eur. Pat. Appl., 16 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 771874	A2	19970507	EP 1996-117613	19961104
EP 771874	A3	19970827		
EP 771874	B1	19980930		
R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
AT 171724	E	19981015	AT 1996-117613	19961104
PRIORITY APPLN. INFO.: IL 1995-115873 19951103				
AB Disclosed is a hybrid cDNA encoding a .beta.-lactoglobulin (.beta.LG) and				

human serum albumin (HSA) for efficient targeting expression in mammary glands in transgenic mammals. The .beta.LG construct is comprised of .beta.LG 5'-flanking sequences (e.g. promoter) and .beta.LG intragenic sequences in conjunction with a desired cDNA such as of HSA, or a minigene (coding sequences and less than all intron sequences) or a gene (coding sequences and all intron sequences) assembled for the purpose of targeting expression of the product of the encoding "DNA". Also disclosed is a transgenic mammal having .beta.LG/HSA cDNA hybrid construct incorporated in its genome. A transgenic lactating mouse prep. by this method was able to produce .gtoreq. 0.3 HSA mg/mL milk.

=> d his

(FILE 'HOME' ENTERED AT 08:52:14 ON 18 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 08:54:42 ON 18 JUL 2002

L1 0 S CASEIN ADJ PROMOTER
L2 480 S CASEIN(2A)PROMOTER
L3 17 S WHEY ACID(2A)PROMOTER
L4 31 S ?LACTALBUMIN(2A)PROMOTER
L5 0 S ?LACTOALBUMIN(2A)PROMOTER
E LACTOALBUMIN
E LACTALBUMIN
L6 178 S LACTOGLOBULIN(2A)PROMOTER
L7 678508 S PIG OR PORCINE
L8 762760 S CATTLE OR COW OR BOVINE
L9 135902 S HORSE OR EQUINE
L10 71287 S GOAT
L11 6428 S CAMEL
L12 282040 S SHEEP OR OVINE
L13 5324583 S RODENT OR MOUSE OR RAT OR MURINE
L14 6 S L7(S)L2
L15 0 S L7(S)L3
L16 2 S L7(S)L4
L17 1 S L7(S)L6
L18 92 S L8(S)L2
L19 1 S L8(S)L3
L20 16 S L8(S)L4
L21 24 S L8(S)L6
L22 0 S L9(S)L2
L23 0 S L9(S)L3
L24 0 S L9(S)L4
L25 0 S L9(S)L6
L26 17 S L10(S)L2
L27 2 S L10(S)L3
L28 0 S L10(S)L4
L29 14 S L10(S)L6
L30 0 S L11(S)L2
L31 0 S L11(S)L3
L32 0 S L11(S)L4
L33 0 S L11(S)L6
L34 13 S L12(S)L2
L35 13 S L12(S)L2
L36 2 S L12(S)L3
L37 4 S L12(S)L4
L38 74 S L12(S)L6
L39 200 S L13(S)L2
L40 15 S L13(S)L3
L41 21 S L13(S)L4
L42 77 S L13(S)L6
L43 119 S HUMAN(S)L2
L44 14 S HUMAN(S)L3
L45 7 S HUMAN(S)L4

L46 53 S HUMAN(S)L6
L47 1913 S CASEIN(2A)GENE
L48 27 S WHEY ACID(2A)GENE
L49 275 S LACTALBUMIN(2A)GENE
L50 444 S LACTOGLOBULIN(2A)GENE
L51 1 S L7(S)L48
L52 0 S L9(S)L47
L53 0 S L9(S)L48
L54 0 S L9(S)L49
L55 6 S L9(S)L50
L56 18 S L10(S)L49
L57 2 S L11(S)L47
L58 0 S L11(S)L48
L59 2 S L11(S)L49
L60 0 S L11(S)L50
L61 3 DUP REM L14 (3 DUPLICATES REMOVED)
L62 2 DUP REM L16 (0 DUPLICATES REMOVED)
L63 11 DUP REM L21 (13 DUPLICATES REMOVED)
L64 53 DUP REM L18 (39 DUPLICATES REMOVED)
L65 1 DUP REM L19 (0 DUPLICATES REMOVED)
L66 11 DUP REM L20 (5 DUPLICATES REMOVED)
L67 11 DUP REM L21 (13 DUPLICATES REMOVED)
L68 14 DUP REM L26 (3 DUPLICATES REMOVED)
L69 1 DUP REM L27 (1 DUPLICATE REMOVED)
L70 10 DUP REM L29 (4 DUPLICATES REMOVED)
L71 7 DUP REM L35 (6 DUPLICATES REMOVED)
L72 1 DUP REM L36 (1 DUPLICATE REMOVED)
L73 2 DUP REM L37 (2 DUPLICATES REMOVED)
L74 40 DUP REM L38 (34 DUPLICATES REMOVED)
L75 102 DUP REM L39 (98 DUPLICATES REMOVED)
L76 10 DUP REM L40 (5 DUPLICATES REMOVED)
L77 10 DUP REM L41 (11 DUPLICATES REMOVED)
L78 44 DUP REM L42 (33 DUPLICATES REMOVED)

=> dup rem l43

PROCESSING COMPLETED FOR L43

L79 69 DUP REM L43 (50 DUPLICATES REMOVED)

=> d ti so 1-69

L79 ANSWER 1 OF 69 MEDLINE DUPLICATE 1
TI Expression and transactivating functions of the bZIP transcription factor
GADD153 in mammary epithelial cells.
SO ONCOGENE, (2002 Jun 20) 21 (27) 4289-300.
Journal code: 8711562. ISSN: 0950-9232.

L79 ANSWER 2 OF 69 CAPLUS COPYRIGHT 2002 ACS
TI High expression of human FIX(hFIX) in transgenic mice directed by goat .beta.-casein gene promoter
SO Yichuan Xuebao (2002), 29(3), 206-211
CODEN: ICHPCG; ISSN: 0379-4172

L79 ANSWER 3 OF 69 MEDLINE DUPLICATE 2
TI Comparative analysis on the structural features of the 5' flanking region of kappa-casein genes from six different species.
SO Genet Sel Evol, (2002 Jan-Feb) 34 (1) 117-28.
Journal code: 9114088. ISSN: 0999-193X.

L79 ANSWER 4 OF 69 CAPLUS COPYRIGHT 2002 ACS
TI C1 inhibitor produced in the milk of transgenic mammals
SO PCT Int. Appl., 47 pp.
CODEN: PIXXD2

L79 ANSWER 5 OF 69 CAPLUS COPYRIGHT 2002 ACS
TI Immune tolerant transgenic rats secreting human growth hormone into milk
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF

L79 ANSWER 6 OF 69 MEDLINE DUPLICATE 3
TI Isolation and characterization of two novel forms of the human prolactin

receptor generated by alternative splicing of a newly identified exon
11.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 Nov 2) 276
(44) 41086-94.

Journal code: 2985121R. ISSN: 0021-9258.

L79 ANSWER 7 OF 69 CAPLUS COPYRIGHT 2002 ACS
TI High expression of human serum albumin in milk of transgenic
mice directed by the goat .beta.-casein gene promoter
region

SO Chinese Science Bulletin (2001), 46(7), 582-586
CODEN: CSBUEF; ISSN: 1001-6538

L79 ANSWER 8 OF 69 MEDLINE DUPLICATE 4
TI The milk protein promoter is a useful tool for developing a rat with
tolerance to a human protein.

SO TRANSGENIC RESEARCH, (2001 Dec) 10 (6) 571-5.
Journal code: 9209120. ISSN: 0962-8819.

L79 ANSWER 9 OF 69 CAPLUS COPYRIGHT 2002 ACS
TI Tissue specific expression of human serum albumin gene using
goat .beta.-casein gene promoter in mouse tissue

SO Yichuan Xuebao (2001), 23(6), 518-520

CODEN: ICHUDW; ISSN: 0253-9772

L79 ANSWER 10 OF 69 CAPLUS COPYRIGHT 2002 ACS
TI Recombinant expression of human tissue plasminogen activator in
transgenic mice milk regulated by bovine .alpha.-sl-casein gene
promoter and Poly(A) signal

SO Yichuan Xuebao (2001), 28(5), 405-410
CODEN: ICHPCG; ISSN: 0379-4172

L79 ANSWER 11 OF 69 MEDLINE DUPLICATE 5
TI Production of transgenic rats using young Sprague-Dawley females
treated
with PMSG and hCG.

SO EXPERIMENTAL ANIMALS, (2001 Oct) 50 (5) 365-9.
Journal code: 9604830. ISSN: 1341-1357.

L79 ANSWER 12 OF 69 MEDLINE DUPLICATE 6
TI Effects of cryopreservation of pronuclear-stage rabbit zygotes on the
morphological survival, blastocyst formation, and full-term
development
after DNA microinjection.

SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (2001
Oct) 60 (2) 227-32.
Journal code: 8903333. ISSN: 1040-452X.

L79 ANSWER 13 OF 69 MEDLINE DUPLICATE 7
TI A comparative study on the integration of exogenous DNA into
mouse, rat,
rabbit, and pig genomes.

SO EXPERIMENTAL ANIMALS, (2001 Apr) 50 (2) 125-31.
Journal code: 9604830. ISSN: 1341-1357.

L79 ANSWER 14 OF 69 MEDLINE DUPLICATE 8
TI Cytokine-like effects of prolactin in human mononuclear and
polymorphonuclear leukocytes.

SO JOURNAL OF NEUROIMMUNOLOGY, (2001 Nov 1) 120 (1-2)
58-66.

Journal code: 8109498. ISSN: 0165-5728.

L79 ANSWER 15 OF 69 CAPLUS COPYRIGHT 2002 ACS
TI Transgenically produced human antithrombin III and its mutants
having
enhanced antiangiogenic activity

SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2

L79 ANSWER 16 OF 69 MEDLINE
TI Functional uncoupling of the Janus kinase 3-Stat5 pathway in
malignant
growth of human T cell leukemia virus type 1-transformed human T
cells.

SO JOURNAL OF IMMUNOLOGY, (2000 Nov 1) 165 (9) 5097-104.
Journal code: 2985117R. ISSN: 0022-1767.

L79 ANSWER 17 OF 69 MEDLINE DUPLICATE 9
TI Stat 5B, activated by insulin in a Jak-independent fashion, plays a
role
in glucokinase gene transcription.

SO ENDOCRINOLOGY, (2000 Jun) 141 (6) 1977-88.
Journal code: 0375040. ISSN: 0013-7227.

L79 ANSWER 18 OF 69 MEDLINE DUPLICATE 10
TI Production of transgenic rabbits using centrifuged pronuclear
zygotes.

SO JOURNAL OF VETERINARY MEDICAL SCIENCE, (2000 Oct)
62 (10) 1047-52.

Journal code: 9105360. ISSN: 0916-7250.

L79 ANSWER 19 OF 69 CAPLUS COPYRIGHT 2002 ACS
TI A study of transgenic cattle expressing human serum albumin gene

SO Yichuan Xuebao (2000), 27(7), 573-579
CODEN: ICHPCG; ISSN: 0379-4172

L79 ANSWER 20 OF 69 CAPLUS COPYRIGHT 2002 ACS
TI Human serum albumin (hALB) transient expression in goat milk
after direct
transfer of hALB expressing vector into mammary gland

SO Zhongguo Shouyi Xuebao (2000), 20(5), 419-422
CODEN: ZSXUF5; ISSN: 1005-4545

L79 ANSWER 21 OF 69 MEDLINE DUPLICATE 11
TI Association of 2',5'-oligoadenylate synthetase with the prolactin
(PRL)

receptor: alteration in PRL-inducible stat1 (signal transducer and
activator of transcription 1) signaling to the IRF-1 (interferon-
regulatory factor 1) promoter.

SO MOLECULAR ENDOCRINOLOGY, (2000 Feb) 14 (2) 295-306.
Journal code: 8801431. ISSN: 0888-8809.

L79 ANSWER 22 OF 69 CAPLUS COPYRIGHT 2002 ACS
TI Genomic human lactoferrin sequence induced high levels of protein
expression in milk of transgenic mice

SO International Congress Series (2000), 1195(Lactoferrin: Structure,
Function and Applications), 279-288
CODEN: EXMDA4; ISSN: 0531-5131

L79 ANSWER 23 OF 69 MEDLINE DUPLICATE 12
TI Production of biologically active human granulocyte colony
stimulating
factor in the milk of transgenic goat.

SO TRANSGENIC RESEARCH, (2000 Jun) 9 (3) 215-22.
Journal code: 9209120. ISSN: 0962-8819.

L79 ANSWER 24 OF 69 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI Growth of Bifidobacterium bifidum in whey-based media.

SO Journal of Industrial Microbiology & Biotechnology, (October,
2000) Vol.
25, No. 4, pp. 177-179. print.
ISSN: 1367-5435.

L79 ANSWER 25 OF 69 CAPLUS COPYRIGHT 2002 ACS
TI Expression and characterization of bioactive human thrombopoietin
in the
milk of transgenic mice

SO DNA and Cell Biology (1999), 18(11), 845-852
CODEN: DCEBE8; ISSN: 1044-5498

L79 ANSWER 26 OF 69 MEDLINE DUPLICATE 13
TI High-level expression of human lactoferrin in milk of transgenic
mice
using genomic lactoferrin sequence.

SO JOURNAL OF BIOCHEMISTRY, (1999 Aug) 126 (2) 320-5.
Journal code: 0376600. ISSN: 0021-924X.

L79 ANSWER 27 OF 69 MEDLINE DUPLICATE 14
TI Analysis of control elements for position-independent expression of human alpha-lactalbumin YAC.
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999 Sep) 54 (1) 17-23.
Journal code: 8903333. ISSN: 1040-452X.

L79 ANSWER 28 OF 69 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC. DUPLICATE 15
TI Is lactoferrin a transcription factor? Computer-assisted search for potential target genes and analysis of a sequence-specific DNA binding.
SO Animal Science Papers and Reports, (1999) Vol. 17, No. 1, pp. 5-21.
ISSN: 0860-4037.

L79 ANSWER 29 OF 69 MEDLINE DUPLICATE 16
TI Thrombopoietin induces association of Crkl with STAT5 but not STAT3 in human platelets.
SO BLOOD, (1998 Dec 15) 92 (12) 4652-62.
Journal code: 7603509. ISSN: 0006-4971.

L79 ANSWER 30 OF 69 MEDLINE DUPLICATE 17
TI Recombinant human acid alpha-glucosidase: high level production in mouse milk, biochemical characteristics, correction of enzyme deficiency in GSDII KO mice.
SO HUMAN MOLECULAR GENETICS, (1998 Oct) 7 (11) 1815-24.
Journal code: 9208958. ISSN: 0964-6906.

L79 ANSWER 31 OF 69 MEDLINE DUPLICATE 18
TI N-glycosylation of the prolactin receptor is not required for activation of gene transcription but is crucial for its cell surface targeting.
SO MOLECULAR ENDOCRINOLOGY, (1998 Apr) 12 (4) 544-55.
Journal code: 8801431. ISSN: 0888-8809.

L79 ANSWER 32 OF 69 MEDLINE DUPLICATE 19
TI Erythropoietin induces tyrosine phosphorylation of Jak2, STAT5A, and STAT5B in primary cultured human erythroid precursors.
SO BLOOD, (1998 Jul 15) 92 (2) 443-51.
Journal code: 7603509. ISSN: 0006-4971.

L79 ANSWER 33 OF 69 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Expression and regulation of hFIX minigene and cDNA driven by beta-casein gene in mouse mammary gland.
SO Science in China Series C Life Sciences, (Aug., 1998) Vol. 41, No. 4, pp. 406-412.
ISSN: 1006-9305.

L79 ANSWER 34 OF 69 MEDLINE DUPLICATE 20
TI Accurate spatial and temporal transgene expression driven by a 3.8-kilobase promoter of the bovine beta-casein gene in the lactating mouse mammary gland.
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1998 Mar) 49 (3) 236-45.
Journal code: 8903333. ISSN: 1040-452X.

L79 ANSWER 35 OF 69 CAPLUS COPYRIGHT 2002 ACS
TI A distal enhancer region in the human .beta.-casein gene mediates the response to prolactin and glucocorticoid hormones
SO Gene (1998), 217(1-2), 127-139
CODEN: GENED6; ISSN: 0378-1119

L79 ANSWER 36 OF 69 MEDLINE
TI Composite response elements mediate hormonal and developmental

regulation of milk protein gene expression.
SO BIOCHEMICAL SOCIETY SYMPOSIA, (1998) 63 101-13. Ref: 53
Journal code: 7506896. ISSN: 0067-8694.

L79 ANSWER 37 OF 69 CAPLUS COPYRIGHT 2002 ACS
TI Cloning of human genomic lactoferrin sequence and expression in the mammary glands of transgenic animals
SO Advances in Experimental Medicine and Biology (1998), 443(Advances in Lactoferrin Research), 79-83
CODEN: AEMBAP; ISSN: 0065-2598

L79 ANSWER 38 OF 69 MEDLINE DUPLICATE 21
TI A distinct function of STAT proteins in erythropoietin signal transduction.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1997 Jun 27) 272 (26) 16507-13.
Journal code: 2985121R. ISSN: 0021-9258.

L79 ANSWER 39 OF 69 MEDLINE DUPLICATE 22
TI Two discrete regions of interleukin-2 (IL2) receptor beta independently mediate IL2 activation of a PD98059/rapamycin/wortmannin-insensitive Stat5a/b serine kinase.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1997 Jun 13) 272 (24) 15459-65.
Journal code: 2985121R. ISSN: 0021-9258.

L79 ANSWER 40 OF 69 MEDLINE DUPLICATE 23
TI Growth hormone-induced tyrosyl phosphorylation and deoxyribonucleic acid binding activity of Stat5A and Stat5B.
SO ENDOCRINOLOGY, (1997 Aug) 138 (8) 3426-34.
Journal code: 0375040. ISSN: 0013-7227.

L79 ANSWER 41 OF 69 CAPLUS COPYRIGHT 2002 ACS
TI Production of complex human pharmaceuticals in the milk of transgenic goats using the goats beta casein promoter
SO Transgenic Animals (1997), 465-467. Editor(s): Houdebine, Louis Marie.
Publisher: Harwood, Amsterdam, Neth.
CODEN: 66IFA3

L79 ANSWER 42 OF 69 MEDLINE DUPLICATE 24
TI Upstream genomic sequence of the human connexin26 gene.
SO GENE, (1997 Oct 15) 199 (1-2) 165-71.
Journal code: 7706761. ISSN: 0378-1119.

L79 ANSWER 43 OF 69 CAPLUS COPYRIGHT 2002 ACS
TI Transgenic animals expressing genes for human coagulation factor VIII and von willebrand factor with secretion of the protein into milk
SO PCT Int. Appl., 28 pp.
CODEN: PIXXD2

L79 ANSWER 44 OF 69 MEDLINE DUPLICATE 25
TI Stat6 and Jak1 are common elements in platelet-derived growth factor and interleukin-4 signal transduction pathways in NIH 3T3 fibroblasts.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1996 Sep 6) 271 (36) 22175-82.
Journal code: 2985121R. ISSN: 0021-9258.

L79 ANSWER 45 OF 69 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Factors affecting in vivo viability of DNA-injected bovine blastocysts produced in vitro.
SO Theriogenology, (1996) Vol. 46, No. 5, pp. 769-778.
ISSN: 0093-691X.

L79 ANSWER 46 OF 69 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Tyrosine phosphorylation of STAT1 and STAT5 and transcriptional activation

of beta-casein promoter by human type II vasoactive intestinal peptide receptors.

SO Molecular Biology of the Cell, (1996) Vol. 7, No. SUPPL., pp. 631A.

Meeting Info.: Annual Meeting of the 6th International Congress on Cell

Biology and the 36th American Society for Cell Biology San Francisco,

California, USA December 7-11, 1996

ISSN: 1059-1524.

L79 ANSWER 47 OF 69 CAPLUS COPYRIGHT 2002 ACS

TI An efficient expression of human growth hormone (hGH) in the milk of

transgenic mice using rat .beta.-casein/hGH fusion genes

SO Appl. Biochem. Biotechnol. (1996), 56(3), 211-22

CODEN: ABIBDL; ISSN: 0273-2289

L79 ANSWER 48 OF 69 MEDLINE DUPLICATE 26

TI Transgene expression in mammary glands of newborn rats.

SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1996 Feb) 43 (2) 145-9.

Journal code: 8903333. ISSN: 1040-452X.

L79 ANSWER 49 OF 69 MEDLINE DUPLICATE 27

TI Expression of cDNA-encoded human acid alpha-glucosidase in milk of

transgenic mice.

SO BIOCHIMICA ET BIOPHYSICA ACTA, (1996 Aug 14) 1308 (2) 93-6.

Journal code: 0217513. ISSN: 0006-3002.

L79 ANSWER 50 OF 69 MEDLINE DUPLICATE 28

TI Cloning, sequencing and functional analysis of a truncated cDNA encoding

red deer prolactin receptor: an alternative tyrosine residue mediates beta-casein promoter activation.

SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1996 Oct 14) 123 (1) 17-26.

Journal code: 7500844. ISSN: 0303-7207.

L79 ANSWER 51 OF 69 CAPLUS COPYRIGHT 2002 ACS

TI Preparation of human fibrinogen subunits in transgenic animals

SO PCT Int. Appl., 49 pp.

CODEN: PIXXD2

L79 ANSWER 52 OF 69 CAPLUS COPYRIGHT 2002 ACS

TI Production and secretion of human extracellular superoxide dismutase into

milk of transgenic mammals

SO PCT Int. Appl., 102 pp.

CODEN: PIXXD2

L79 ANSWER 53 OF 69 MEDLINE DUPLICATE 29

TI Activation of STAT factors by prolactin, interferon-gamma, growth hormones, and a tyrosine phosphatase inhibitor in rabbit primary

mammary epithelial cells.

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Sep 8) 270 (36) 20952-61.

Journal code: 2985121R. ISSN: 0021-9258.

L79 ANSWER 54 OF 69 MEDLINE DUPLICATE 30

TI Prolactin, growth hormone, erythropoietin and granulocyte-macrophage

colony stimulating factor induce MGF-Stat5 DNA binding activity.

SO EMBO JOURNAL, (1995 May 1) 14 (9) 2005-13.

Journal code: 8208664. ISSN: 0261-4189.

L79 ANSWER 55 OF 69 MEDLINE DUPLICATE 31

TI Functional activity of the human prolactin receptor and its ligands.

SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1995 Oct 30) 114 (1-2) 91-9.

Journal code: 7500844. ISSN: 0303-7207.

L79 ANSWER 56 OF 69 MEDLINE DUPLICATE 32

TI Mammary gland factor activated by prolactin on mammary epithelial cells

and acute-phase response factor activated by interleukin-6 in liver cells

share DNA binding and transactivation potential.

SO MOLECULAR ENDOCRINOLOGY, (1994 Apr) 8 (4) 469-77.

Journal code: 8801431. ISSN: 0888-8809.

L79 ANSWER 57 OF 69 CAPLUS COPYRIGHT 2002 ACS

TI DNA encoding .kappa.-casein, manufacture of the protein with recombinant

cells or transgenic mammals, and milk or infant formula containing the

protein

SO PCT Int. Appl., 124 pp.

CODEN: PIXXD2

L79 ANSWER 58 OF 69 CAPLUS COPYRIGHT 2002 ACS

TI Human casein kinase II. The subunit .alpha. protein activates transcription of the subunit .beta. gene

SO J. Biol. Chem. (1993), 268(8), 5694-702

CODEN: JBCHA3; ISSN: 0021-9258

L79 ANSWER 59 OF 69 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC. DUPLICATE 33

TI Production of transgenic mice and rabbits that carry and express the human tissue plasminogen activator cDNA under the control of a

bovine alpha S1 casein promoter.

SO Theriogenology, (1993) Vol. 39, No. 5, pp. 1173-1185.

ISSN: 0093-691X.

L79 ANSWER 60 OF 69 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Development of the transgenic mice secreting human growth hormone in milk.

SO Korean Journal of Animal Science, (1993) Vol. 35, No. 1, pp. 32-38.

ISSN: 0367-5807.

L79 ANSWER 61 OF 69 CAPLUS COPYRIGHT 2002 ACS

TI Effect of the 3' flanking sequences of rat .beta.-casein and human growth

hormone genes on gene expression in mammary epithelial cells

SO Mol. Cells (1992), 2(3), 315-20

CODEN: MOCEEK; ISSN: 1016-8478

L79 ANSWER 62 OF 69 CAPLUS COPYRIGHT 2002 ACS

TI Production of heterologous polypeptides by recombinant cattle and transgenic methods

SO PCT Int. Appl., 121 pp.

CODEN: PIXXD2

L79 ANSWER 63 OF 69 CAPLUS COPYRIGHT 2002 ACS

TI Synergistic action of glucocorticoid and insulin in expression of transfected rat .beta.-casein promoter/human

growth hormone fusion gene in a mammary epithelial cell line

SO Mol. Cells (1991), 1(4), 459-64

CODEN: MOCEEK; ISSN: 1016-8478

L79 ANSWER 64 OF 69 CAPLUS COPYRIGHT 2002 ACS

TI Expression vectors for secretion of heterologous proteins into milk

SO Eur. Pat. Appl., 55 pp.

CODEN: EPXXDW

L79 ANSWER 65 OF 69 CAPLUS COPYRIGHT 2002 ACS

TI Expression of heterologous proteins in the milk of transgenic rabbits

SO Proc. - Eur. Congr. Biotechnol., 5th (1990), Volume 2, 953-5.

Editor(s):

Christiansen, Claus; Munck, Lars; Villadsen, John. Publisher:
Munksgaard,
Copenhagen, Den.
CODEN: 57RVAO

L79 ANSWER 66 OF 69 MEDLINE DUPLICATE 34

TI Rabbit beta-casein promoter directs secretion of
human interleukin-2 into the milk of transgenic rabbits.

SO BIO/TECHNOLOGY, (1990 Feb) 8 (2) 140-3.
Journal code: 8309273. ISSN: 0733-222X.

L79 ANSWER 67 OF 69 CAPLUS COPYRIGHT 2002 ACS

TI Cellular growth-promoting peptides and their preparation from
human
.beta.-casein

SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF

L79 ANSWER 68 OF 69 CAPLUS COPYRIGHT 2002 ACS

TI Peptides from .beta.-casein hydrolysates as cellular growth
promoters

SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF

L79 ANSWER 69 OF 69 CAPLUS COPYRIGHT 2002 ACS

TI Organization and sequence of the human .alpha.-lactalbumin gene
SO Biochem. J. (1987), 242(3), 735-42
CODEN: BIJOAK; ISSN: 0306-3275

=> d ibib ab 65,62,52,51,26

L79 ANSWER 65 OF 69 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:140852 CAPLUS

DOCUMENT NUMBER: 118:140852

TITLE: Expression of heterologous proteins in the milk of
transgenic rabbits

AUTHOR(S): Went, Dirk F.; Buhler, Thomas A.; Huebscher,
Karen J.;

Stranzinger, Gerald

CORPORATE SOURCE: Inst. Anim. Sci., ETH Zurich, Zurich,
CH-8092, Switz.

SOURCE: Proc. - Eur. Congr. Biotechnol., 5th (1990),
Volume 2,

953-5. Editor(s): Christiansen, Claus; Munck, Lars;
Villadsen, John. Munksgaard: Copenhagen, Den.
CODEN: 57RVAO

DOCUMENT TYPE: Conference

LANGUAGE: English

AB The promoter region of the .beta.-casein gene from rabbits was
isolated,

sequenced, and used to make 2 gene constructs. Both constructs
contained

the rabbit .beta.-casein promoter linked to either the
genomic human interleukin 2 gene or the bacterial
.beta.-galactosidase gene. Microinjection of the foreign DNA into
fertilized egg cells of transgenic rabbits was performed. Interleukin 2
was present only in the range of 50-430 mg/mL milk and thus 10-5-

10-6

times lower than the natural level of .beta.-casein. The
.beta.-galactosidase construct is still being tested but initial results
are promising for .beta.-galactosidase gene expression.

L79 ANSWER 62 OF 69 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1991:625431 CAPLUS

DOCUMENT NUMBER: 115:225431

TITLE: Production of heterologous polypeptides by
recombinant

cattle and transgenic methods

INVENTOR(S): Heyneker, Herbert L.; Deboer, Herman A.;
Strijker,

Rein; Plantenburg, Gerard; Lee, Sang He

PATENT ASSIGNEE(S): Genpharm International, Inc., USA
SOURCE: PCT Int. Appl., 121 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

WO 9108216 A1 19910613 WO 1990-US6874 19901130

W: AU, BR, CA, FI, JP, KR, LK, MC, NO, SU

RW: AT, BE, BF, BJ, CF, CG, CH, CM, DE, DK, ES, FR, GA,
GB, GR, IT,

LU, ML, MR, NL, SE, SN, TD, TG

CA 2075206 AA 19910602 CA 1990-2075206 19901130

AU 9169608 A1 19910626 AU 1991-69608 19901130

AU 656720 B2 19950216

EP 502976 A1 19920916 EP 1991-901026 19901130

EP 502976 B1 19960703

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE

AT 140027 E 19960715 AT 1991-901026 19901130

EP 737746 A2 19961016 EP 1995-203326 19901130

EP 737746 A3 19961023

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE

ES 2090299 T3 19961016 ES 1991-901026 19901130

RU 2095414 C1 19971110 RU 1990-5052392 19901130

CN 1053446 A 19910731 CN 1990-109733 19901201

NO 9202996 A 19920729 NO 1992-2996 19920729

FI 9203485 A 19920731 FI 1992-3485 19920731

US 5633076 A 19970527 US 1993-154019 19931116

US 5741957 A 19980421 US 1995-461333 19950605

US 6013857 A 20000111 US 1995-464167 19950605

US 6140552 A 20001031 US 1995-476798 19950607

US 6066725 A 20000523 US 1998-158313 19980921

PRIORITY APPLN. INFO.: US 1989-444745 A 19891201

US 1990-619131 A 19901127

EP 1991-901026 A3 19901130

WO 1990-US6874 A 19901130

US 1992-898956 B2 19920615

US 1993-77788 B2 19930615

US 1993-154019 A3 19931116

US 1995-476798 A1 19950607

AB A method for prep. transgenic cows which secrete recombinant
proteins

into their milk is described. The gene to be expressed in mammary
tissue

is fused to a mammary tissue-specific promoter, e.g. that of the casein
gene, a signal sequence, and a 3' flanking sequence functional in
cattle.

The chimeric gene is first methylated, e.g. by cloning it in a
prokaryotic

host. Fertilized oocytes are then transformed with this gene, and the
fertilized oocytes are cultured to the preimplantation embryo stage.

A

cell is removed from the embryo to test for the presence of the
desired

gene: the chimeric methylated gene is resistant to restriction
endonuclease cleavage. The hemiembryo remaining after removing
the cell

is cloned to prep. multiple embryos which are implanted into a cow
to

produce transgenic offspring. The milk from the transgenic cows can
be

used in food formulations, esp. infant formulas. A chimeric gene
comprising human lactoferrin cDNA flanked by bovine .alpha.S1-
casein promoter and signal sequence and 3' regions was
prepd. Transgenic cows secreting lactoferrin into their milk were
produced using this gene according to the above procedure.

L79 ANSWER 52 OF 69 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:501316 CAPLUS

DOCUMENT NUMBER: 122:237909

TITLE: Production and secretion of human extracellular

superoxide dismutase into milk of transgenic mammals
 INVENTOR(S): Hansson, Lennart
 PATENT ASSIGNEE(S): Symbicom AB, Swed.
 SOURCE: PCT Int. Appl., 102 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9500637	A1	19950105	WO 1994-IB181	19940624
W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, DE, DK, DK, FI, FL, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LV, MD, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SI, SK, SK, TJ, TT, UA, US, UZ, VN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2164089	AA	19950105	CA 1994-2164089	19940624
AU 9469356	A1	19950117	AU 1994-69356	19940624
AU 687068	B2	19980219		
EP 705333	A1	19960410	EP 1994-917777	19940624
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 08511688	T2	19961210	JP 1994-502622	19940624
US 6025540	A	20000215	US 1995-556965	19951207
PRIORITY APPLN. INFO.: DK 1993-753 19930624				
WO 1994-IB181 19940624				
AB The present invention relates to a mammalian expression system comprising a DNA sequence encoding human extracellular superoxide dismutase (hec-SOD) or a variant thereof. The mammalian expression system is preferably expressed in a non-human mammal selected from the group contg. of rabbits, mice, rats, goats, sheep, pigs, llama, camels and bovine species. The variants include hec-SOD having a reduced or an increased heparin affinity as compared to hec-SOD type C. Within the scope of the invention are also DNA fragments, hybrid genes, expression vectors, cells, method for producing a transgenic non-human mammal capable of expressing hec-SOD as defined above, and non-human mammals expressing hec-SOD. Transgenic mice contg. a chimeric whey acidic protein gene promoter-hec-SOD gene were produced. Levels of up to 0.7 mg hec-SOD/mL milk were obsd.				

L79 ANSWER 51 OF 69 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1995:921967 CAPLUS
 DOCUMENT NUMBER: 123:309463
 TITLE: Preparation of human fibrinogen subunits in transgenic animals

INVENTOR(S): Velandar, William H.; Lord, Susan T.; Drohan, William N.; Lubon, Henryk; Johnson, John L.; Russell, Christopher G.
 PATENT ASSIGNEE(S): American National Red Cross, USA; Virginia Tech Intellectual Properties, Inc.; University of North Carolina
 SOURCE: PCT Int. Appl., 49 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 8
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 9522249	A1	19950824	WO 1995-US1944	19950217
W: CA, JP, MX				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2183546	AA	19950824	CA 1995-2183546	19950217
EP 744891	A1	19961204	EP 1995-911012	19950217
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 10500003	T2	19980106	JP 1995-521903	19950217
PRIORITY APPLN. INFO.: US 1994-198068 A 19940218				
WO 1995-US1944 W 19950217				

AB Transgenic non-human animals, capable of expressing a heterologous gene for human or other recombinant fibrinogen protein or subunit chain polypeptides thereof or modified fibrinogens in mammary glands of the animals and secreting the expressed product into a body fluid, are provided. Prepn. of recombinant fibrinogens, subunit chains polypeptides thereof and modified fibrinogens, and fibrinogens fusion proteins in such animals is also described. Prepn. of transgenic mice expressing cDNA for human fibrinogen subunits A.alpha., B.beta., and G.gamma. was demonstrated and secretion of the fibrinogen subunits into milk obsd.

L79 ANSWER 26 OF 69 MEDLINE DUPLICATE 13
 ACCESSION NUMBER: 1999353959 MEDLINE
 DOCUMENT NUMBER: 99353959 PubMed ID: 10423524
 TITLE: High-level expression of human lactoferrin in milk of transgenic mice using genomic lactoferrin sequence.
 AUTHOR: Kim S J; Sohn B H; Jeong S; Pak K W; Park J S; Park I Y; Lee T H; Choi Y H; Lee C S; Han Y M; Yu D Y; Lee K K
 CORPORATE SOURCE: Animal Molecular Physiology Research Unit Korea Research Institute of Bioscience and Biotechnology, Taejon, 305-333, Korea.
 SOURCE: JOURNAL OF BIOCHEMISTRY, (1999 Aug) 126 (2) 320-5.
 Journal code: 0376600. ISSN: 0021-924X.
 PUB. COUNTRY: Japan
 Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199912
 ENTRY DATE: Entered STN: 20000113
 Last Updated on STN: 20000113
 Entered Medline: 19991213

AB In our previous study, transgenic mice were generated that expressed human lactoferrin (hLF) in milk using cDNA under control of the 2 kb bovine beta-casein promoter. The expression level of the protein in milk of 7 mice ranged from 1 to 200 microg/ml; 1 to 34 microg/ml in 6 mice and 200 microg/ml in 1 mouse. With the aim of inducing higher expression of the protein, we constructed an expression cassette comprised of 10 kb of the bovine beta-casein gene promoter and the hLF genomic sequence in place of the cDNA. The hLF genomic sequence of about 27 kb, spanning 23 kb of the entire coding region and 4 kb of the 3'-flanking sequence, was placed downstream the bovine beta-casein promoter. In total, 8 transgenic mice were generated from 31 mice (transgenic rate of 25.8%) born from the embryos microinjected with the 40-kb hLF expression cassette. Mammary-specific expression of the transgene was addressed by performing Northern hybridization of the total RNAs from various tissues of

transgenic mice. Immunoblot analysis showed that the recombinant protein expressed in milk has the same molecular weight as the native protein. The amount of the protein in milk of 5 mice ranged from 60 to 6,600 microg/ml when judged by ELISA analysis. Three mice expressed the protein at the level higher than 500 microg/ml. These data suggest that the genomic lactoferrin sequence represents a valuable element for the efficient expression of the protein in milk of transgenic animals.

=> dup rem l44

PROCESSING COMPLETED FOR L44

L80 9 DUP REM L44 (5 DUPLICATES REMOVED)

=> d ti so 1-9

L80 ANSWER 1 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 1

TI Expression of a heterologous protein C in mammary tissue of transgenic

animals using a long whey acidic protein promoter.

SO Official Gazette of the United States Patent and Trademark Office Patents,

(July 17, 2001) Vol. 1248, No. 3, pp. No Pagination. e-file.

ISSN: 0098-1133.

L80 ANSWER 2 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 2

TI Establishment of La-tPA/G-CSF dual transgenic mice and expression in their mammary gland.

SO Science in China Series C Life Sciences, (June, 1999) Vol. 42, No. 3, pp.

330-336.

ISSN: 1006-9305.

L80 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Correction of RNA aberrant splice increases foreign gene expression in transgenic mice

SO Chinese Science Bulletin (1999), 44(3), 221-225
CODEN: CSBUEF; ISSN: 1001-6538

L80 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Detection of human protein C gene interaction in transgenic rabbits by

polymerase chain reaction

SO Veterinarni Medicina (Prague) (1999), 44(3), 79-82

CODEN: VTMDAR; ISSN: 0375-8427

L80 ANSWER 5 OF 9 MEDLINE DUPLICATE 3

TI Growth hormone-releasing hormone (GHRH)-GH-somatic growth and luteinizing

hormone (LH)RH-LH-ovarian axes in adult female transgenic mice expressing

human GH gene.

SO JOURNAL OF NEUROENDOCRINOLOGY, (1997 Aug) 9 (8) 615-26.

Journal code: 8913461. ISSN: 0953-8194.

L80 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Preparation of human fibrinogen subunits in transgenic animals

SO PCT Int. Appl., 49 pp.

CODEN: PIXXD2

L80 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Production of growth hormone in transgenic animal milk

SO PCT Int. Appl., 13 pp.

CODEN: PIXXD2

L80 ANSWER 8 OF 9 MEDLINE

DUPLICATE 4

TI Transgenic production of a variant of human tissue-type plasminogen

activator in goat milk: generation of transgenic goats and analysis of expression.

SO BIO/TECHNOLOGY, (1991 Sep) 9 (9) 835-8.

Journal code: 8309273. ISSN: 0733-222X.

L80 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Production of human tissue plasminogen activator in transgenic mouse milk

SO Bio/Technology (1987), 5(11), 1183-5, 1187

CODEN: BTCHDA; ISSN: 0733-222X

=> d ibib ab 1

L80 ANSWER 1 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 1

ACCESSION NUMBER: 2001:428041 BIOSIS

DOCUMENT NUMBER: PREV200100428041

TITLE: Expression of a heterologous protein C in mammary tissue of

transgenic animals using a long whey acidic protein promoter.

AUTHOR(S): Lubon, Henryk (1); Drohan, William N.; Hennighausen,

Lothar; Velandar, William H.

CORPORATE SOURCE: (1) Derwood, MD USA

ASSIGNEE: American Red Cross, Rockville, MD, USA; Virginia

Tech Intellectual Properties, Inc.; The United States of America as represented by the Department of Health and Human Services

PATENT INFORMATION: US 6262336 July 17, 2001

SOURCE: Official Gazette of the United States Patent and Trademark

Office Patents, (July 17, 2001) Vol. 1248, No. 3, pp. No Pagination. e-file.

ISSN: 0098-1133.

DOCUMENT TYPE: Patent

LANGUAGE: English

AB An isolated DNA sequence which regulates the expression of a heterologous

gene composed of a mouse whey acidic protein promoter having a length of

greater than about 2.4 kb extending upstream from the unique KpnI site in

the mouse whey acidic protein gene is disclosed. Specifically a mouse whey

acidic protein promoter of about 4.1-4.2 kb in length extending upstream

from the unique KpnI site is preferred. This mouse whey acid protein promoter is operably linked to a DNA

sequence encoding a heterologous polypeptide and used to prepare transgenic non-human mammals expressing the heterologous

polypeptide in their milk. Particularly efficient expression of both cDNAs

and genomic DNAs encoding heterologous polypeptides was obtained in

transgenic non-human mammals using this promoter, known as the long whey acidic protein promoter.

=> dup rem 45

ENTER L# LIST OR (END):end

=> dup rem l45

PROCESSING COMPLETED FOR L45

L81 5 DUP REM L45 (2 DUPLICATES REMOVED)

=> d ti so 1-5

L81 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS

TI Construction of retroviral vectors with novel regulatory elements for

expressing proteins in a mammalian cell
SO PCT Int. Appl., 151 pp.
CODEN: PIXXD2

L81 ANSWER 2 OF 5 MEDLINE DUPLICATE 1
TI Analysis of control elements for position-independent expression of human
alpha-lactalbumin YAC.
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999
Sep) 54 (1) 17-23.
Journal code: 8903333. ISSN: 1040-452X.

L81 ANSWER 3 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI Production of transgenic pigs and mice containing the gene
encoding
human insulin-like growth factor I (IGF-I) under control of the
bovine alpha-lactalbumin promoter and regulatory
regions.
SO Journal of Dairy Science, (1998) Vol. 81, No. SUPPL. 1, pp. 213.
Meeting Info.: Joint Meeting of the American Dairy Science
Association and
the American Society of Animal Science Denver, Colorado, USA
July 28-31,
1998 American Society of Animal Science
. ISSN: 0022-0302.

L81 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS
TI Modified .alpha.-lactalbumins containing few or no phenylalanines
for
dietary supplementation in hyperphenylalaninemia
SO PCT Int. Appl., 77 pp.
CODEN: PIXXD2

L81 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS
TI Organization and sequence of the human .alpha.-lactalbumin gene
SO Biochem. J. (1987), 242(3), 735-42
CODEN: BJQAK; ISSN: 0306-3275

=> dup rem L46
PROCESSING COMPLETED FOR L46
L82 34 DUP REM L46 (19 DUPLICATES REMOVED)

=> d ti so 1-34

L82 ANSWER 1 OF 34 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI Transgenic non-human mammals expressing human coagulation
factor VIII and
von Willebrand factor.
SO Official Gazette of the United States Patent and Trademark Office
Patents,
(July 3, 2001) Vol. 1248, No. 1, pp. No Pagination. e-file.
ISSN: 0098-1133.

L82 ANSWER 2 OF 34 CAPLUS COPYRIGHT 2002 ACS
TI Establishment of transgenic dairy goat by microinjection
SO Zhongguo Shouyi Xuebao (2001), 21(3), 252-254
CODEN: ZSXUF5; ISSN: 1005-4545

L82 ANSWER 3 OF 34 CAPLUS COPYRIGHT 2002 ACS
TI Transgenically produced human antithrombin III and its mutants
having
enhanced antiangiogenic activity
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2

L82 ANSWER 4 OF 34 CAPLUS COPYRIGHT 2002 ACS
TI Method of producing transgenic animal expressing human
granulocyte
colony-stimulating factor in mammary gland and hybrid gene h-gm-1
for
method realization

SO Russ., No pp. given
CODEN: RUXXE7

L82 ANSWER 5 OF 34 MEDLINE DUPLICATE 1
TI Mammary gland specific hEGF receptor transgene expression
induces
neoplasia and inhibits differentiation.
SO ONCOGENE, (2000 Apr 20) 19 (17) 2129-37.
Journal code: 8711562. ISSN: 0950-9232.

L82 ANSWER 6 OF 34 MEDLINE DUPLICATE 2
TI Breast cancer-specific expression of the Candida albicans cytosine
deaminase gene using a transcriptional targeting approach.
SO CANCER GENE THERAPY, (2000 Jun) 7 (6) 845-52.
Journal code: 9432230. ISSN: 0929-1903.

L82 ANSWER 7 OF 34 MEDLINE DUPLICATE 3
TI Expression of a functional mouse-human chimeric anti-CD19
antibody in the
milk of transgenic mice.
SO TRANSGENIC RESEARCH, (2000 Apr) 9 (2) 155-9.
Journal code: 9209120. ISSN: 0962-8819.

L82 ANSWER 8 OF 34 CAPLUS COPYRIGHT 2002 ACS
TI Human bile salt-stimulated lipase obtainable from transgenic sheep
SO PCT Int. Appl., 67 pp.
CODEN: PIXXD2

L82 ANSWER 9 OF 34 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of human growth hormone by expressing it in mammary
glands of
transgenic animals
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 20 pp.
CODEN: CNXXEV

L82 ANSWER 10 OF 34 MEDLINE DUPLICATE 4
TI Use of doxycycline-controlled gene expression to reversibly alter
milk-protein composition in transgenic mice.
SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1999 Mar) 260
(2) 533-9.
Journal code: 0107600. ISSN: 0014-2956.

L82 ANSWER 11 OF 34 MEDLINE DUPLICATE 5
TI In vivo and in vitro expression of human serum albumin genomic
sequences
in mammary epithelial cells with beta-lactoglobulin and whey acidic
protein promoters.
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999
Mar) 52 (3) 241-52.
Journal code: 8903333. ISSN: 1040-452X.

L82 ANSWER 12 OF 34 CAPLUS COPYRIGHT 2002 ACS
TI cloning and expression in transgenic sheep and mice of human
.alpha.-1-antitrypsin transgene
SO PCT Int. Appl., 47 pp.
CODEN: PIXXD2

L82 ANSWER 13 OF 34 MEDLINE DUPLICATE 6
TI Production of biologically active salmon calcitonin in the milk of
transgenic rabbits.
SO NATURE BIOTECHNOLOGY, (1998 Jul) 16 (7) 647-51.
Journal code: 9604648. ISSN: 1087-0156.

L82 ANSWER 14 OF 34 CAPLUS COPYRIGHT 2002 ACS
TI Recombinant production in transgenic animals of protein C
modified at
cleavage site between light and heavy chains
SO PCT Int. Appl., 98 pp.
CODEN: PIXXD2

L82 ANSWER 15 OF 34 CAPLUS COPYRIGHT 2002 ACS
TI manufacture of human .gamma.-interferons in the mammary gland
of
transgenic animal using the promoter region of .beta.-lactoglobulin

gene

SO Russ.

From: Izobreteniya 1997, (20), 272.

CODEN: RUXXE7

L82 ANSWER 16 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Target-specific protein production in transgenic mammals

SO Eur. Pat. Appl., 16 pp.

CODEN: EPXXDW

L82 ANSWER 17 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Production of human serum albumin in the milk of transgenic animals

SO Proceedings of International Conference on Animal

Biotechnology, Beijing,

June 11-14, 1997 (1997), 353-358. Editor(s): Li, Ning; Chen, Yongfu.

Publisher: International Academic Publishers, Beijing, Peop. Rep. China.

CODEN: 68CNAB

L82 ANSWER 18 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI mRNA expression of human blood coagulation factor VIII (FVIII)

gene

constructs in transgenic mice

SO Transgenics (1997), 2(2), 175-182

CODEN: TADTEF; ISSN: 1023-6171

L82 ANSWER 19 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Transgenic animals expressing genes for human coagulation factor VIII and

von willebrand factor with secretion of the protein into milk

SO PCT Int. Appl., 28 pp.

CODEN: PIXXD2

L82 ANSWER 20 OF 34 MEDLINE

DUPLICATE 7

TI High-level expression of recombinant human fibrinogen in the milk of

transgenic mice.

SO NATURE BIOTECHNOLOGY, (1996 Jul) 14 (7) 867-71.

Journal code: 9604648. ISSN: 1087-0156.

L82 ANSWER 21 OF 34 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Expression of human blood clotting factor VIII (FVIII) constructs in the

mammary gland of transgenic mice and sheep.

SO Journal of Animal Breeding and Genetics, (1996) Vol. 113, No. 4-5, pp.

437-444.

ISSN: 0931-2668.

L82 ANSWER 22 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI The glycosylation of human recombinant alpha-1-antitrypsin expressed in

transgenic mice

SO Biochem. Soc. Trans. (1996), 24(3), 339S

CODEN: BCSTB5; ISSN: 0300-5127

L82 ANSWER 23 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Preparation of human fibrinogen subunits in transgenic animals

SO PCT Int. Appl., 49 pp.

CODEN: PIXXD2

L82 ANSWER 24 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Modified .alpha.-lactalbumins containing few or no phenylalanines for

dietary supplementation in hyperphenylalaninemia

SO PCT Int. Appl., 77 pp.

CODEN: PIXXD2

L82 ANSWER 25 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Production and secretion of human extracellular superoxide dismutase into

milk of transgenic mammals

SO PCT Int. Appl., 102 pp.

CODEN: PIXXD2

L82 ANSWER 26 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Human erythropoietin-induced polycythemia in transgenic mice

SO Mol. Cells (1995), 5(6), 634-40

CODEN: MOCEEK; ISSN: 1016-8478

L82 ANSWER 27 OF 34 MEDLINE

DUPLICATE 8

TI Dramatic heterogeneity of transgene expression in the mammary gland of

lactating mice: a model system to study the synthetic activity of

mammary

epithelial cells.

SO JOURNAL OF HISTOCHEMISTRY AND CYTOCHEMISTRY, (1995 May) 43 (5) 461-70.

Journal code: 9815334. ISSN: 0022-1554.

L82 ANSWER 28 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Efficient expression of human .alpha.1-antitrypsin by the caprine .beta.-lactoglobulin promoter in the mouse

mammary cell, HC11

SO Mol. Cells (1995), 5(3), 275-81

CODEN: MOCEEK; ISSN: 1016-8478

L82 ANSWER 29 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Heterogeneous expression and synthesis of human serum albumin in the

mammary gland of transgenic mice

SO Intercell. Signalling Mammary Gland, [Proc. Hannah Symp.]

(1995), Meeting

Date 1994, 171-2. Editor(s): Wilde, Colin J.; Peaker, Malcolm;

Knight,

Christopher H. Publisher: Plenum, New York, N. Y.

CODEN: 61ZIAS

L82 ANSWER 30 OF 34 MEDLINE

DUPLICATE 9

TI Specific combinations of human serum albumin introns direct high level

expression of albumin in transfected COS cells and in the milk of transgenic mice.

SO TRANSGENIC RESEARCH, (1994 Nov) 3 (6) 365-75.

Journal code: 9209120. ISSN: 0962-8819.

L82 ANSWER 31 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Ectopic expression of .beta.-lactoglobulin/human serum albumin fusion

genes in transgenic mice: hormonal regulation and in situ localization

SO Transgenic Res. (1994), 3(3), 141-51

CODEN: TRSEES; ISSN: 0962-8819

L82 ANSWER 32 OF 34 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC. DUPLICATE

10

TI HSA production by mammary explants of virgin transgenic mice: A reliable

tool for predicting levels of secretion into milk.

SO Animal Biotechnology, (1993) Vol. 4, No. 2, pp. 203-215.

ISSN: 1049-5398.

L82 ANSWER 33 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI Expression of human serum albumin in the milk of transgenic mice

SO Transgenic Res. (1992), 1(5), 195-208

CODEN: TRSEES

L82 ANSWER 34 OF 34 CAPLUS COPYRIGHT 2002 ACS

TI High level expression of active human alpha-1-antitrypsin in the milk of

transgenic sheep

SO Bio/Technology (1991), 9(9), 830-4

CODEN: BTCHDA; ISSN: 0733-222X

=> d ibib ab 4

L82 ANSWER 4 OF 34 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:64209 CAPLUS

DOCUMENT NUMBER: 136:80856

TITLE: Method of producing transgenic animal expressing human

granulocyte colony-stimulating factor in mammary gland and hybrid gene h-gm-1 for method realization

INVENTOR(S): Prokof'ev, M. I.; Gorodetskii, S. I.; Chernykh, V.

Ya.; Mezina, M. N.; Lagutina, I. S.; Kosorukov, V. S.; Shepel, N. I.

PATENT ASSIGNEE(S): Russia

SOURCE: Russ., No pp. given

CODEN: RUXXE7

DOCUMENT TYPE: Patent

LANGUAGE: Russian

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

RU 2157846	C1	20001020	RU 1999-124719	19991125
------------	----	----------	----------------	----------

AB Human granulocyte colony-stimulating factor is prep'd. by expression of recombinant proteins in mammary gland of transgenic animals. Milk of transgenic animals is used for prep'g. human granulocyte colony-stimulating factor. The integration of the transgene based on available genomic DNA copy and regulatory genes of milk proteins providing effective secretion of human granulocyte colony-stimulating factor with milk of transgenic animals was achieved. The invention can be used in immunol.

=> d his

(FILE 'HOME' ENTERED AT 08:52:14 ON 18 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 08:54:42 ON 18 JUL 2002

L1	0 S CASEIN ADJ PROMOTER
L2	480 S CASEIN(2A)PROMOTER
L3	17 S WHEY ACID(2A)PROMOTER
L4	31 S ?LACTALBUMIN(2A)PROMOTER
L5	0 S ?LACTOALBUMIN(2A)PROMOTER
	E LACTOALBUMIN
	E LACTALBUMIN
L6	178 S LACTOGLOBULIN(2A)PROMOTER
L7	678508 S PIG OR PORCINE
L8	762760 S CATTLE OR COW OR BOVINE
L9	135902 S HORSE OR EQUINE
L10	71287 S GOAT
L11	6428 S CAMEL
L12	282040 S SHEEP OR OVINE
L13	5324583 S RODENT OR MOUSE OR RAT OR MURINE
L14	6 S L7(S)L2
L15	0 S L7(S)L3
L16	2 S L7(S)L4
L17	1 S L7(S)L6
L18	92 S L8(S)L2
L19	1 S L8(S)L3
L20	16 S L8(S)L4
L21	24 S L8(S)L6
L22	0 S L9(S)L2
L23	0 S L9(S)L3
L24	0 S L9(S)L4
L25	0 S L9(S)L6
L26	17 S L10(S)L2
L27	2 S L10(S)L3

L28	0 S L10(S)L4
L29	14 S L10(S)L6
L30	0 S L11(S)L2
L31	0 S L11(S)L3
L32	0 S L11(S)L4
L33	0 S L11(S)L6
L34	13 S L12(S)L2
L35	13 S L12(S)L2
L36	2 S L12(S)L3
L37	4 S L12(S)L4
L38	74 S L12(S)L6
L39	200 S L13(S)L2
L40	15 S L13(S)L3
L41	21 S L13(S)L4
L42	77 S L13(S)L6
L43	119 S HUMAN(S)L2
L44	14 S HUMAN(S)L3
L45	7 S HUMAN(S)L4
L46	53 S HUMAN(S)L6
L47	1913 S CASEIN(2A)GENE
L48	27 S WHEY ACID(2A)GENE
L49	275 S LACTALBUMIN(2A)GENE
L50	444 S LACTOGLOBULIN(2A)GENE
L51	1 S L7(S)L48
L52	0 S L9(S)L47
L53	0 S L9(S)L48
L54	0 S L9(S)L49
L55	6 S L9(S)L50
L56	18 S L10(S)L49
L57	2 S L11(S)L47
L58	0 S L11(S)L48
L59	2 S L11(S)L49
L60	0 S L11(S)L50
L61	3 DUP REM L14 (3 DUPLICATES REMOVED)
L62	2 DUP REM L16 (0 DUPLICATES REMOVED)
L63	11 DUP REM L21 (13 DUPLICATES REMOVED)
L64	53 DUP REM L18 (39 DUPLICATES REMOVED)
L65	1 DUP REM L19 (0 DUPLICATES REMOVED)
L66	11 DUP REM L20 (5 DUPLICATES REMOVED)
L67	11 DUP REM L21 (13 DUPLICATES REMOVED)
L68	14 DUP REM L26 (3 DUPLICATES REMOVED)
L69	1 DUP REM L27 (1 DUPLICATE REMOVED)
L70	10 DUP REM L29 (4 DUPLICATES REMOVED)
L71	7 DUP REM L35 (6 DUPLICATES REMOVED)
L72	1 DUP REM L36 (1 DUPLICATE REMOVED)
L73	2 DUP REM L37 (2 DUPLICATES REMOVED)
L74	40 DUP REM L38 (34 DUPLICATES REMOVED)
L75	102 DUP REM L39 (98 DUPLICATES REMOVED)
L76	10 DUP REM L40 (5 DUPLICATES REMOVED)
L77	10 DUP REM L41 (11 DUPLICATES REMOVED)
L78	44 DUP REM L42 (33 DUPLICATES REMOVED)
L79	69 DUP REM L43 (50 DUPLICATES REMOVED)
L80	9 DUP REM L44 (5 DUPLICATES REMOVED)
L81	5 DUP REM L45 (2 DUPLICATES REMOVED)
L82	34 DUP REM L46 (19 DUPLICATES REMOVED)

=> log hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	518.96	519.80

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
SINCE FILE TOTAL

	ENTRY	SESSION
CA SUBSCRIBER PRICE	-16.11	-16.11

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STN INTERNATIONAL SESSION SUSPENDED AT 10:50:54 ON 18 JUL 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1636DXS

PASSWORD:

***** RECONNECTED TO STN INTERNATIONAL *****

SESSION RESUMED IN FILE 'MEDLINE, BIOSIS, CAPLUS' AT
11:08:16 ON 18 JUL 2002

FILE 'MEDLINE' ENTERED AT 11:08:16 ON 18 JUL 2002

FILE 'BIOSIS' ENTERED AT 11:08:16 ON 18 JUL 2002

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FILE 'CAPLUS' ENTERED AT 11:08:16 ON 18 JUL 2002

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	518.96	519.80

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
SINCE FILE TOTAL

	ENTRY	SESSION
CA SUBSCRIBER PRICE	-16.11	-16.11

=> s hirudin

L83 7429 HIRUDIN

=> s mammary

L84 145039 MAMMARY

=> s l83(s)l84

L85 6 L83(S) L84

=> dup rem l85

PROCESSING COMPLETED FOR L85

L86 3 DUP REM L85 (3 DUPLICATES REMOVED)

=> d ti so l86

L86 ANSWER 1 OF 3 MEDLINE DUPLICATE 1
TI Proteolysis of human prolactin: resistance to cathepsin D and
formation of

a nonangiostatic, C-terminal 16K fragment by thrombin.
SO ENDOCRINOLOGY, (1999 Sep) 140 (9) 4127-32.

Journal code: 0375040. ISSN: 0013-7227.

=> d ti so 1-3

L86 ANSWER 1 OF 3 MEDLINE DUPLICATE 1
TI Proteolysis of human prolactin: resistance to cathepsin D and
formation of

a nonangiostatic, C-terminal 16K fragment by thrombin.
SO ENDOCRINOLOGY, (1999 Sep) 140 (9) 4127-32.

Journal code: 0375040. ISSN: 0013-7227.

L86 ANSWER 2 OF 3 MEDLINE DUPLICATE 2
TI Different effects of thrombin receptor activation on endothelium and
smooth muscle cells of human coronary bypass vessels. Implications
for

venous bypass graft failure.

SO CIRCULATION, (1997 Apr 1) 95 (7) 1870-6.

Journal code: 0147763. ISSN: 0009-7322.

L86 ANSWER 3 OF 3 MEDLINE DUPLICATE 3
TI Amidolytic assay for procoagulant activity of lymphoid and tumor
cells.

SO JOURNAL OF IMMUNOLOGICAL METHODS, (1986 May 1)
89 (1) 131-9.

Journal code: 1305440. ISSN: 0022-1759.

=> s l83(p)l84

L87 8 L83(P) L84

=> dup rem l87

PROCESSING COMPLETED FOR L87

L88 3 DUP REM L87 (5 DUPLICATES REMOVED)

=> d ti so 1-3

L88 ANSWER 1 OF 3 MEDLINE DUPLICATE 1
TI Proteolysis of human prolactin: resistance to cathepsin D and
formation of

a nonangiostatic, C-terminal 16K fragment by thrombin.

SO ENDOCRINOLOGY, (1999 Sep) 140 (9) 4127-32.

Journal code: 0375040. ISSN: 0013-7227.

L88 ANSWER 2 OF 3 MEDLINE DUPLICATE 2
TI Different effects of thrombin receptor activation on endothelium and
smooth muscle cells of human coronary bypass vessels. Implications
for

venous bypass graft failure.

SO CIRCULATION, (1997 Apr 1) 95 (7) 1870-6.

Journal code: 0147763. ISSN: 0009-7322.

L88 ANSWER 3 OF 3 MEDLINE DUPLICATE 3
TI Amidolytic assay for procoagulant activity of lymphoid and tumor
cells.

SO JOURNAL OF IMMUNOLOGICAL METHODS, (1986 May 1)
89 (1) 131-9.

Journal code: 1305440. ISSN: 0022-1759.

=> s milk

L89 267204 MILK

=> s l83 and l89

L90 9 L83 AND L89

=> dup rem l90

PROCESSING COMPLETED FOR L90

L91 9 DUP REM L90 (0 DUPLICATES REMOVED)

=> d ti so 1-9

L91 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Methods for treating immunomediated inflammatory disorders and
changing

skin pigmentation

SO U.S., 52 pp., Cont.-in-part of U.S. Ser. No. 110,409.

CODEN: USXXAM

L91 ANSWER 2 OF 9 MEDLINE

TI Hirudin treatment in a breastfeeding woman.

SO LANCET, (2000 Feb 5) 355 (9202) 467-8.

Journal code: 2985213R. ISSN: 0140-6736.

L91 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Method for detecting the origin of livestock and the products
obtained
therefrom

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

L91 ANSWER 4 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI Hirudin is not detectable in human breast milk.

SO Annals of Hematology, (1999) Vol. 78, No. SUPPL. 1, pp. A82.

Meeting Info.: 43rd Annual Meeting of the Society for Thrombosis
and

Hemostasis Mannheim, Germany February 24-27, 1999 Society for
Thrombosis

and Hemostasis

. ISSN: 0939-5555.

L91 ANSWER 5 OF 9 MEDLINE

TI [Not Available].

Kobenhavns Kommunes ojenafdeling: 2. del: Holms epoke 1929-57.

SO Dan Medicinhist Arbog, (1998) 13-41.
Journal code: 0434570. ISSN: 0084-9588.

L91 ANSWER 6 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI Anticoagulant drugs.

SO Herz, (1996) Vol. 21, No. 1, pp. 12-27.

ISSN: 0340-9937.

L91 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Use of rabbit whey acidic protein gene promoter in production of a
protein

of interest in the milk of a transgenic mammal

SO PCT Int. Appl., 35 pp.

CODEN: PIXXD2

L91 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Assaying proteases with tagged proteinaceous inhibitors

SO Eur. Pat. Appl., 26 pp.

CODEN: EPXXDW

L91 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2002 ACS

TI Observations of the rennin coagulation of milk. Effect of
hirudin, of heparin, of cephalin and of fat removal

SO J. Biol. Chem. (1928), 78, 557-72

=> d ibib ab 7

L91 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:162464 CAPLUS

DOCUMENT NUMBER: 118:162464

TITLE: Use of rabbit whey acidic protein gene promoter in
production of a protein of interest in the
milk of a transgenic mammal

INVENTOR(S): Houdebine, Louis Marie; Devinoy, Eve;
Thepot,

Dominique

PATENT ASSIGNEE(S): Institut National de la Recherche
Agronomique, Fr.

SOURCE: PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9222644	A1	19921223	WO 1992-FR533	19920612
W: CA, JP, US				
FR 2677652	A1	19921218	FR 1991-7179	19910612
CA 2111238	AA	19921213	CA 1992-2111238	19920612
EP 527063	A1	19930210	EP 1992-401635	19920612
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, PT, SE				
JP 06508515	T2	19940929	JP 1992-511080	19920612
US 5965788	A	19991012	US 1994-162146	19940210
US 6268545	B1	20010731	US 1999-314127	19990519
PRIORITY APPLN. INFO.: FR 1991-7179 A 19910612				
WO 1992-FR533 W 19920612				
US 1994-162146 A1 19940210				

AB A process for manufg. a protein of interest comprises prepg. a
transgenic

female mammal contg. a chimeric gene integrated into its genome
and

isolation of the protein from the milk. The chimeric gene
consists of the desired protein gene fused to the 3' portion of the
promoter of the rabbit whey acidic protein. Both human and bovine
somatotropin were prepd. with transgenic mice using the described
procedure. The yields of human and bovine somatotropin were

.ltoreq.21

and .ltoreq.17 mg/mL, resp.

=> s heterologous or transgenic or recombinant or overexpress?
L92 769536 HETEROLOGOUS OR TRANSGENIC OR
RECOMBINANT OR OVEREXPRESS?

=> s I83(s)I92

L93 1878 L83(S) L92

=> s breast or milk or mammary

L94 661520 BREAST OR MILK OR MAMMARY

=> s I93 and I94

L95 7 L93 AND L94

=> dup rem I95

PROCESSING COMPLETED FOR L95

L96 5 DUP REM L95 (2 DUPLICATES REMOVED)

=> d ti so I96

L96 ANSWER 1 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI Tissue factor-factor VIIa induces phosphorylation of p44/42
mitogen-activated protein kinase mainly by the generation of factor
Xa in
human breast cancer cells.

SO Blood, (November 16, 2001) Vol. 98, No. 11 Part 1, pp. 250a.
<http://www.bloodjournal.org/>. print.

Meeting Info.: 43rd Annual Meeting of the American Society of
Hematology,

Part 1 Orlando, Florida, USA December 07-11, 2001

ISSN: 0006-4971.

=> d ti so 1-5

L96 ANSWER 1 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI Tissue factor-factor VIIa induces phosphorylation of p44/42
mitogen-activated protein kinase mainly by the generation of factor
Xa in
human breast cancer cells.

SO Blood, (November 16, 2001) Vol. 98, No. 11 Part 1, pp. 250a.
<http://www.bloodjournal.org/>. print.

Meeting Info.: 43rd Annual Meeting of the American Society of
Hematology,

Part 1 Orlando, Florida, USA December 07-11, 2001

ISSN: 0006-4971.

L96 ANSWER 2 OF 5 MEDLINE

TI Enhanced expression of urokinase receptor induced through the
tissue

factor-factor VIIa pathway in human pancreatic cancer.

SO CANCER RESEARCH, (1998 Oct 1) 58 (19) 4461-7.

Journal code: 2984705R. ISSN: 0008-5472.

L96 ANSWER 3 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.

TI Severe heparin-induced thrombocytopenia (HIT II syndrome) with
sinus

venous thrombosis after female breast surgery: Successful
treatment with recombinant hirudin.

SO Geburtshilfe und Frauenheilkunde, (Nov., 1998) Vol. 58, No. 11,
pp.

614-617.

ISSN: 0016-5751.

L96 ANSWER 4 OF 5 MEDLINE

DUPLICATE 1

TI Different effects of thrombin receptor activation on endothelium and
smooth muscle cells of human coronary bypass vessels. Implications
for

venous bypass graft failure.

SO CIRCULATION, (1997 Apr 1) 95 (7) 1870-6.

Journal code: 0147763. ISSN: 0009-7322.

L96 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS
TI Use of rabbit whey acidic protein gene promoter in production of a protein of interest in the milk of a transgenic mammal
SO PCT Int. Appl., 35 pp.
CODEN: PIXXD2

=> s transgenic and camel

L97 28 TRANSGENIC AND CAMEL

=> dup rem l97

PROCESSING COMPLETED FOR L97

L98 22 DUP REM L97 (6 DUPLICATES REMOVED)

=> d ti so 1-22

L98 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2002 ACS
TI Production of humanized antibodies in transgenic animals for treating infections
SO PCT Int. Appl., 81 pp.
CODEN: PIXXD2

L98 ANSWER 2 OF 22 CAPLUS COPYRIGHT 2002 ACS
TI Raising antibody concentration in milk of polymeric Ig receptor-transgenic animals
SO PCT Int. Appl., 39 pp.
CODEN: PIXXD2

L98 ANSWER 3 OF 22 MEDLINE DUPLICATE 1
TI Efficient tumor targeting by single-domain antibody fragments of camels.
SO INTERNATIONAL JOURNAL OF CANCER, (2002 Mar 20) 98 (3) 456-62.
Journal code: 0042124. ISSN: 0020-7136.

L98 ANSWER 4 OF 22 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 2
TI DNA encoding human kappa casein and process for obtaining the protein.
SO Official Gazette of the United States Patent and Trademark Office Patents,
(May 15, 2001) Vol. 1246, No. 3, pp. No Pagination. e-file.
ISSN: 0098-1133.

L98 ANSWER 5 OF 22 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Transgenic non-human mammal expressing the DNA sequence encoding kappa casein mammary gland and milk.
SO Official Gazette of the United States Patent and Trademark Office Patents,
(Apr. 24, 2001) Vol. 1245, No. 4, pp. No Pagination. e-file.
ISSN: 0098-1133.

L98 ANSWER 6 OF 22 CAPLUS COPYRIGHT 2002 ACS
TI Animals overexpressing the whn gene showing altered hair follicle development
SO PCT Int. Appl., 72 pp.
CODEN: PIXXD2

L98 ANSWER 7 OF 22 CAPLUS COPYRIGHT 2002 ACS
TI Recombinant fusion molecules
SO PCT Int. Appl., 36 pp.
CODEN: PIXXD2

L98 ANSWER 8 OF 22 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Transgenic non-human mammals producing EC-SOD protein in their milk.
SO Official Gazette of the United States Patent and Trademark Office

Patents,
(Feb. 15, 2000) Vol. 1231, No. 3, pp. No pagination. e-file.
ISSN: 0098-1133.

L98 ANSWER 9 OF 22 CAPLUS COPYRIGHT 2002 ACS
TI Double nuclear transfer method using an intermediate stage of implantation into an oocyte with karyoplast formation and the clonal propagation of mammals
SO PCT Int. Appl., 63 pp.
CODEN: PIXXD2

L98 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2002 ACS
TI Stabilization of milk from transgenic animals by expression of serine proteinase inhibitors
SO PCT Int. Appl., 56 pp.
CODEN: PIXXD2

L98 ANSWER 11 OF 22 CAPLUS COPYRIGHT 2002 ACS
TI Use of Drosophila mariner-like transposable elements in the production of transgenic animals
SO PCT Int. Appl., 42 pp.
CODEN: PIXXD2

L98 ANSWER 12 OF 22 CAPLUS COPYRIGHT 2002 ACS
TI Recognition domains for specific assembly of procollagen pro-alpha chains
SO PCT Int. Appl., 48 pp.
CODEN: PIXXD2

L98 ANSWER 13 OF 22 CAPLUS COPYRIGHT 2002 ACS
TI Production of transgenic donor cells for nuclear transfer
SO PCT Int. Appl., 66 pp.
CODEN: PIXXD2

L98 ANSWER 14 OF 22 CAPLUS COPYRIGHT 2002 ACS
TI Comparative studies on mammalian Hoxc8 early enhancer sequence reveal a baleen whale-specific deletion of a cis-acting element
SO Proceedings of the National Academy of Sciences of the United States of America (1998), 95(26), 15446-15451
CODEN: PNASA6; ISSN: 0027-8424

L98 ANSWER 15 OF 22 CAPLUS COPYRIGHT 2002 ACS
TI Totipotent cells for nuclear transfer for the preparation of transgenic animals
SO PCT Int. Appl., 28 pp.
CODEN: PIXXD2

L98 ANSWER 16 OF 22 CAPLUS COPYRIGHT 2002 ACS
TI Transgenic production of antibodies in milk and usefulness for diagnostics, therapy, or industry
SO PCT Int. Appl., 24 pp.
CODEN: PIXXD2

L98 ANSWER 17 OF 22 CAPLUS COPYRIGHT 2002 ACS
TI Modified .alpha.-lactalbumins containing few or no phenylalanines for dietary supplementation in hyperphenylalaninemia
SO PCT Int. Appl., 77 pp.
CODEN: PIXXD2

L98 ANSWER 18 OF 22 CAPLUS COPYRIGHT 2002 ACS
TI Production and secretion of human extracellular superoxide dismutase into milk of transgenic mammals
SO PCT Int. Appl., 102 pp.
CODEN: PIXXD2

L98 ANSWER 19 OF 22 CAPLUS COPYRIGHT 2002 ACS

TI DNA encoding .kappa.-casein, manufacture of the protein with recombinant

cells or transgenic mammals, and milk or infant formula containing the protein

SO PCT Int. Appl., 124 pp.

CODEN: PIXXD2

L98 ANSWER 20 OF 22 MEDLINE DUPLICATE 3

TI Carbonyl-metabolizing enzymes and their relatives recruited as structural

proteins in the eye lens.

SO ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY, (1993) 328 159-68. Ref: 43

Journal code: 0121103. ISSN: 0065-2598.

L98 ANSWER 21 OF 22 MEDLINE DUPLICATE 4

TI Expression of the whey acidic protein in transgenic pigs impairs mammary development.

SO TRANSGENIC RESEARCH, (1992 May) 1 (3) 124-32.

Journal code: 9209120. ISSN: 0962-8819.

L98 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2002 ACS

TI Manufacture of recombinant proteins by secretion into milk of transgenic mammals

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

=> d ibib ab 22,19,18,10,5

L98 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1989:451714 CAPLUS

DOCUMENT NUMBER: 111:51714

TITLE: Manufacture of recombinant proteins by secretion into

milk of transgenic mammals

INVENTOR(S): Meade, Harry; Longberg, Nils

PATENT ASSIGNEE(S): Biogen N. V., Neth.

SOURCE: PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 8810118	A1	19881229	WO 1988-US2134	19880623
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W: JP

RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE

US 4873316	A	19891010	US 1987-65994	19870623
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EP 347431	A1	19891227	EP 1988-906454	19880623
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EP 347431	B1	19951004		
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R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE

JP 02500798	T2	19900322	JP 1988-505800	19880623
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JP 2898003	B2	19990531		
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AT 128625	E	19951015	AT 1988-906454	19880623
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JP 11253097	A2	19990921	JP 1998-357018	19880623
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JP 2000300115	A2	20001031	JP 2000-71355	19880623
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US 5750172	A	19980512	US 1995-460959	19950605
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PRIORITY APPLN. INFO.: US 1987-65994 A 19870623

JP 1988-505800 A3 19880623

JP 1998-357018 A3 19880623

WO 1988-US2134 W 19880623

US 1989-332293 B1 19890331

US 1993-109865 B1 19930820

US 1994-322984 A1 19941014

AB A method for producing desired proteins by producing transgenic mammals which secrete the protein into the milk is described. A

section

of the bovine .alpha. S-1 casein gene contg. the promoter and signal sequence was cloned. This DNA sequence was ligated to tissue-type plasminogen activator (tPA) cDNA via DNA contg. RNA processing

splice

sites (which allow the casein signal sequence RNA to be spliced to the

tPA-encoding RNA) to prep. pCAS1151. Preimplantation fertilized mice

embryos were microinjected with this (linearized) DNA and then implanted

in pseudopregnant female mice. Of 262 embryos injected and implanted, 23

live pups were born, 5 of which contained the desired DNA sequences. Male

G0 mice were bred with females. Females of the G1 progeny which contained

the tPA sequence produced 0.2-0.5 .mu.g tPA/mL milk.

L98 ANSWER 19 OF 22 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:642958 CAPLUS

DOCUMENT NUMBER: 119:242958

TITLE: DNA encoding .kappa.-casein, manufacture of the protein with recombinant cells or transgenic mammals, and milk or infant formula containing the protein

INVENTOR(S): Hansson, Lennart; Stroemqvist, Mats; Bergstroem, Sven;

Hernell, Olle; Toernell, Jan

PATENT ASSIGNEE(S): Symbicom Aktiebolag, Swed.

SOURCE: PCT Int. Appl., 124 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

WO 9315196	A1	19930805	WO 1993-DK24	19930125
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W: AU, BB, BG, BR, CA, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, NZ,

PL, RO, RU, SD, UA, US

RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,

BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG AU 9333464 A1 19930901 AU 1993-33464 19930125

EP 625197 A1 19941123 EP 1993-902110 19930125

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

JP 07503136 T2 19950406 JP 1993-512867 19930125

US 6222094 B1 20010424 US 1994-256799 19941206

US 6232094 B1 20010515 US 1995-462437 19950605

PRIORITY APPLN. INFO.: DK 1992-88 A 19920123

WO 1993-DK24 A 19930125

US 1994-256799 A2 19941206

AB The human .kappa.-casein gene and cDNA are cloned and

sequenced.

.kappa.-Casein produced by expression of the cDNA or gene in

recombinant

cells or or transgenic mammals can be used to prep. infant

formula (no data). E. coli transformed with expression vector pS425,

contg. human .kappa.-casein cDNA fused to the heat-stable

enterotoxin II

signal sequence and the T7 promoter, produced .kappa.-casein. A

bovine

papilloma virus I-derived vector was prepd. and used to prep.

.kappa.-casein-producing CHO and C127 cells. Transgenic female

mice which secreted .kappa.-casein into their milk were also

produced.

L98 ANSWER 18 OF 22 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:501316 CAPLUS

DOCUMENT NUMBER: 122:237909

TITLE: Production and secretion of human extracellular superoxide dismutase into milk of transgenic mammals

INVENTOR(S): Hansson, Lennart

PATENT ASSIGNEE(S): Symbicom AB, Swed.

SOURCE: PCT Int. Appl., 102 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9500637	A1	19950105	WO 1994-IB181	19940624
W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, DE, DK, DK, FI, FL, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LV, MD, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SI, SK, SK, TJ, TT, UA, US, UZ, VN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,				
BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2164089	AA	19950105	CA 1994-2164089	19940624
AU 9469356	A1	19950117	AU 1994-69356	19940624
AU 687068	B2	19980219		
EP 705333	A1	19960410	EP 1994-917777	19940624
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 08511688	T2	19961210	JP 1994-502622	19940624
US 6025540	A	20000215	US 1995-556965	19951207
PRIORITY APPLN. INFO.: DK 1993-753 19930624				
WO 1994-IB181 19940624				

AB The present invention relates to a mammalian expression system comprising a DNA sequence encoding human extracellular superoxide dismutase (hec-SOD) or a variant thereof. The mammalian expression system is preferably expressed in a non-human mammal selected from the group contg. of rabbits, mice, rats, goats, sheep, pigs, llama, camels and bovine species. The variants include hec-SOD having a reduced or an increased heparin affinity as compared to hec-SOD type C. Within the scope of the invention are also DNA fragments, hybrid genes, expression vectors, cells, method for producing a transgenic non-human mammal capable of expressing hec-SOD as defined above, and non-human mammals expressing hec-SOD. Transgenic mice contg. a chimeric whey acidic protein gene promoter-hec-SOD gene were produced. Levels of up to 0.7 mg hec-SOD/mL milk were obsd.

L98 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:367974 CAPLUS
DOCUMENT NUMBER: 133:1487
TITLE: Stabilization of milk from transgenic animals by expression of serine proteinase inhibitors
INVENTOR(S): Cottingham, Ian Robert; McCreath, Graham Edward
PATENT ASSIGNEE(S): PPL Therapeutics (Scotland) Ltd., UK
SOURCE: PCT Int. Appl., 56 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000030436	A1	20000602	WO 1999-GB3868	19991119
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,				

MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
EP 1130961 A1 20010912 EP 1999-972491 19991119
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.: GB 1998-25374 A 19981119
US 1999-128546P P 19990409
WO 1999-GB3868 W 19991119

AB The present invention relates to the stabilization of milk from transgenic animals. Both the plasmin and thrombin activities in milk have a substantial impact on reducing process yields of fibrinogen, necessitating a more complex recovery process and shortening the useful

storage life of milk. In particular, the invention relates to the protection of proteins (e.g. fibrinogen) expressed in milk from transgenic animals by co-expression of a serine proteinase inhibitor (e.g. .alpha.1-antitrypsin) in the milk of the transgenic animals.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L98 ANSWER 5 OF 22 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2001:473142 BIOSIS
DOCUMENT NUMBER: PREV200100473142

TITLE: Transgenic non-human mammal expressing the DNA sequence encoding kappa casein mammary gland and milk.
AUTHOR(S): Hansson, Lennart (1); Stromqvist, Mats; Bergstrom, Sven;

Hernell, Olle; Tornell, Jan
CORPORATE SOURCE: (1) Ume&&ANG Sweden
ASSIGNEE: Symbicom Aktiebolag, Umea, Sweden
PATENT INFORMATION: US 6222094 April 24, 2001
SOURCE: Official Gazette of the United States Patent and Trademark

Office Patents, (Apr. 24, 2001) Vol. 1245, No. 4, pp. No
Pagination. e-file.
ISSN: 0098-1133.

DOCUMENT TYPE: Patent
LANGUAGE: English

AB The present invention relates to an expression system comprising a DNA sequence encoding a polypeptide which has a biological activity of human kappa-casein, the system comprising a 5'-flanking sequence capable of mediating expression of said DNA sequence. In preferred embodiments the 5'-flanking sequence is from a milk protein gene of a mammal such as a casein gene or whey acidic protein (WAP) gene and the DNA sequence contains at least one intron sequence. The invention further relates to DNA sequences, replicable expression vectors and cells harboring said vectors, recombinant polypeptide e.g. in glycosylated form, and milk, infant formula or nutrient supplement comprising recombinant polypeptide. The invention also relates to a method for producing a transgenic non-human mammal comprising injecting an expression system as defined above and optionally a further DNA encoding beta-casein or an

analog,
variant or subsequence thereof into a fertilized egg or a cell of an embryo of a mammal so as to incorporate the expression system into the
germline of the mammal and developing the resulting injected fertilized
egg or embryo into an adult female mammal. In one embodiment, the endogenous polypeptide expressing capability of the mammal is destroyed
and/or replaced with the expression system defined above. The invention
further relates to a transgenic non-human mammal such as a mouse, rat, rabbit, goat, sheep, pig, lama, camel or bovine species whose germ cells a somatic cells contain a DNA sequence as defined
above as a result of chromosomal incorporation into the non-human mammalian genome, or into the genome of an ancestor of said non-human mammal.

=> s transgenic(s)horse

L99 52 TRANSGENIC(S) HORSE

=> dup rem l99

PROCESSING COMPLETED FOR L99

L100 43 DUP REM L99 (9 DUPLICATES REMOVED)

=> d ti so 1-43

L100 ANSWER 1 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Preparing transgenic grasses with herbicide resistance and inhibited generative propagation and uses for purposes of forage, amenity or sports
SO PCT Int. Appl., 56 pp.
CODEN: PIXXD2

L100 ANSWER 2 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Preparing of transgenic grasses with genetically modified phenotypes for
purposes of forage, amenity or sports
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2

L100 ANSWER 3 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Production of humanized antibodies in transgenic animals for treating
infections
SO PCT Int. Appl., 81 pp.
CODEN: PIXXD2

L100 ANSWER 4 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Mutants of mammalian growth hormone and growth hormone releasing hormone
with enhanced stability and therapeutical uses
SO Eur. Pat. Appl., 74 pp.
CODEN: EPXXDW

L100 ANSWER 5 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Cosmetic composition comprising human serum albumin obtained from
transgenic non-human animals
SO PCT Int. Appl., 18 pp.
CODEN: PIXXD2

L100 ANSWER 6 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Method for increasing calcium storage in plants by overexpression of
calcium-binding proteins or peptide-encoding transgene
SO PCT Int. Appl., 86 pp.
CODEN: PIXXD2

L100 ANSWER 7 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Cloning and sequencing of Renilla green fluorescent protein and

luciferase
and their use in diagnostics, high throughput screening and bioluminescence generating systems
SO PCT Int. Appl., 175 pp.
CODEN: PIXXD2

L100 ANSWER 8 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Production of cloned transgenic ungulates, preferably bovines that produce
human immunoglobulins
SO PCT Int. Appl., 49 pp.
CODEN: PIXXD2

L100 ANSWER 9 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Transgenic microorganisms presenting mimics of mammalian adhesin-binding
oligosaccharides on their surfaces and their use in controlling infection
SO PCT Int. Appl., 94 pp.
CODEN: PIXXD2

L100 ANSWER 10 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Manufacture of human prothrombin and prothrombin analogs in transgenic
animals for therapeutic use
SO PCT Int. Appl., 66 pp.
CODEN: PIXXD2

L100 ANSWER 11 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Methods of muscle atrophy treatment by inhibiting Ras gene activation or
Raf/Mek/Erk signalling pathways
SO PCT Int. Appl., 27 pp.
CODEN: PIXXD2

L100 ANSWER 12 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Transgenic animals expressing recombinant human membrane cofactor protein
having reduced measles virus infection while retaining resistance to hyperacute rejection
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF

L100 ANSWER 13 OF 43 MEDLINE DUPLICATE 1
TI Expression of a single betaalpha chain protein of equine LH/CG in milk of
transgenic rabbits and its biological activity.
SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (2001 Mar 28) 174 (1-2) 31-40.
Journal code: 7500844. ISSN: 0303-7207.

L100 ANSWER 14 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Transgenic animals expressing salivary proteins
SO PCT Int. Appl., 152 pp.
CODEN: PIXXD2

L100 ANSWER 15 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Stabilization of milk from transgenic animals by expression of serine
proteinase inhibitors
SO PCT Int. Appl., 56 pp.
CODEN: PIXXD2

L100 ANSWER 16 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Transgenic animals as bioreactors for production of protein in urine by
kidney-specific expression using the uromodulin gene promoter
SO PCT Int. Appl., 55 pp.
CODEN: PIXXD2

L100 ANSWER 17 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Transfection of male germ cells for generation of selectable transgenic
stem cells

SO PCT Int. Appl., 98 pp.
CODEN: PIXXD2

L100 ANSWER 18 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI .alpha.1,2- and .alpha.1,3-Fucosyltransferases from *Caenorhabditis elegans*
and transgenic mammals incorporating the enzymes
SO PCT Int. Appl., 113 pp.
CODEN: PIXXD2

L100 ANSWER 19 OF 43 MEDLINE DUPLICATE 2
TI Species-specific variation in glycosylation of IgG: evidence for the
species-specific sialylation and branch-specific galactosylation and
importance for engineering recombinant glycoprotein therapeutics.
SO GLYCOBIOLOGY, (2000 May) 10 (5) 477-86.
Journal code: 9104124. ISSN: 0959-6658.

L100 ANSWER 20 OF 43 MEDLINE DUPLICATE 3
TI Animal models of uveal melanoma.
SO MELANOMA RESEARCH, (2000 Jun) 10 (3) 195-211. Ref: 161
Journal code: 9109623. ISSN: 0960-8931.

L100 ANSWER 21 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Transgenic cells and animals producing essential fatty acids for use
in
food, feed, cosmetics and bioactive lipid preparation
SO PCT Int. Appl., 71 pp.
CODEN: PIXXD2

L100 ANSWER 22 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Transgenic animals produced by homologous sequence targeting
SO PCT Int. Appl., 82 pp.
CODEN: PIXXD2

L100 ANSWER 23 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Facilitating of method for detecting prions in biological sample
using
transgenic animals which are susceptible to prion disease
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2

L100 ANSWER 24 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Immunomodulatory acty of Fab and F(ab')₂ fragments of polyclonal
antilymphocyte globulins
SO PCT Int. Appl., 50 pp.
CODEN: PIXXD2

L100 ANSWER 25 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Methods for the degradation and detoxification of organic material
using
urine produced by transgenic animals
SO PCT Int. Appl., 59 pp.
CODEN: PIXXD2

L100 ANSWER 26 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Method of detecting prions in a biological sample using transgenic
mice
which are susceptible to prion infection
SO U.S., 25 pp., Cont.-in-part of U.S. 5,763,740.
CODEN: USXXAM

L100 ANSWER 27 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Glufosinate ammonium; pesticide tolerance
SO Federal Register (1999), 64(213), 60112-60121, 4 Nov 1999
CODEN: FEREAC; ISSN: 0097-6326

L100 ANSWER 28 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Transgenic animal models for human cardiomyopathies
SO Ger. Offen., 8 pp.
CODEN: GWXXBX

L100 ANSWER 29 OF 43 MEDLINE
TI Seeding of intravascular stents by the xenotransplantation of
genetically

modified endothelial cells.

SO SEMINARS IN INTERVENTIONAL CARDIOLOGY, (1998 Sep-
Dec) 3 (3-4) 217-20.
Journal code: 9606070. ISSN: 1084-2764.

L100 ANSWER 30 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Tissue-specific expression vectors for vascular smooth muscle cells
using
a myosin heavy chain gene promoter
SO Eur. Pat. Appl., 14 pp.
CODEN: EPXXDW

L100 ANSWER 31 OF 43 MEDLINE DUPLICATE 4
TI Preferential selection of receptor-binding variants of influenza virus
hemagglutinin by the neutralizing antibody repertoire of transgenic
mice
expressing a human immunoglobulin mu minigene.
SO JOURNAL OF VIROLOGY, (1997 Apr) 71 (4) 2600-5.
Journal code: 0113724. ISSN: 0022-538X.

L100 ANSWER 32 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Multiple component RNA catalysts and their use in targeted
cleavage of
mRNA
SO PCT Int. Appl., 207 pp.
CODEN: PIXXD2

L100 ANSWER 33 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Transgenic animals expressing genes for human coagulation factor
VIII and
von willebrand factor with secretion of the protein into milk
SO PCT Int. Appl., 28 pp.
CODEN: PIXXD2

L100 ANSWER 34 OF 43 MEDLINE DUPLICATE 5
TI Differentiation potential of conditionally immortalized
mesenchymal
progenitor cells from adult marrow of a H-2Kb-tsA58 transgenic
mouse.
SO JOURNAL OF CELLULAR PHYSIOLOGY, (1996 Jun) 167 (3)
523-38.
Journal code: 0050222. ISSN: 0021-9541.

L100 ANSWER 35 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Humanized milk production by transgenic mammal containing
human gene for
oligosaccharide/glycoconjugate-forming enzyme and humanized milk
use for
enteral nutrition
SO PCT Int. Appl., 82 pp.
CODEN: PIXXD2

L100 ANSWER 36 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of human fibrinogen subunits in transgenic animals
SO PCT Int. Appl., 49 pp.
CODEN: PIXXD2

L100 ANSWER 37 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Embryonic stem cells as nuclear donors and nuclear transfer
techniques to
produce chimeric and transgenic animals
SO PCT Int. Appl., 55 pp.
CODEN: PIXXD2

L100 ANSWER 38 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI In vivo production of transgenic organ by introducing the transgene
via
lumen
SO PCT Int. Appl., 34 pp.
CODEN: PIXXD2

L100 ANSWER 39 OF 43 MEDLINE DUPLICATE 6
TI Transgenic livestock as genetic models of human disease.
SO REPRODUCTION, FERTILITY, AND DEVELOPMENT, (1994)

6 (5) 643-5. Ref: 24
Journal code: 8907465. ISSN: 1031-3613.

L100 ANSWER 40 OF 43 MEDLINE DUPLICATE 7
TI Comparison of the T cell receptors on insulin-specific hybridomas
from
insulin transgenic and nontransgenic mice. Loss of a subpopulation of
self-reactive clones.
SO JOURNAL OF IMMUNOLOGY, (1992 Jul 1) 149 (1) 38-44.
Journal code: 2985117R. ISSN: 0022-1767.

L100 ANSWER 41 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Virus-resistant transgenic mice carrying a human interferon gene
SO PCT Int. Appl., 32 pp.
CODEN: PIXXD2

L100 ANSWER 42 OF 43 MEDLINE DUPLICATE 8
TI Expression of the glycoprotein hormone alpha-subunit gene in the
placenta
requires a functional cyclic AMP response element, whereas a
different
cis-acting element mediates pituitary-specific expression.
SO MOLECULAR AND CELLULAR BIOLOGY, (1989 Nov) 9 (11)
5113-22.
Journal code: 8109087. ISSN: 0270-7306.

L100 ANSWER 43 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Creation of transgenic animals from genetically transformed
fertilized ova
SO PCT Int. Appl., 36 pp.
CODEN: PIXXD2

=> d ti so 35

L100 ANSWER 35 OF 43 CAPLUS COPYRIGHT 2002 ACS
TI Humanized milk production by transgenic mammal containing
human gene for
oligosaccharide/glycoconjugate-forming enzyme and humanized milk
use for
enteral nutrition
SO PCT Int. Appl., 82 pp.
CODEN: PIXXD2

=> di ibib ab 35
DI IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> d ibib ab 35

L100 ANSWER 35 OF 43 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1995:988003 CAPLUS
DOCUMENT NUMBER: 124:23950
TITLE: Humanized milk production by transgenic mammal
containing human gene for
oligosaccharide/glycoconjugate-forming enzyme and
humanized milk use for enteral nutrition
INVENTOR(S): Prieto, Pedro Antonio; Smith, David Fletcher;
Cummings, Richard Dale; Kopchik, John Joseph;
Mukerji,
Pradip; Moreman, Kelley Wilson; Pierce, James Michael
PATENT ASSIGNEE(S): Abbott Laboratories, USA
SOURCE: PCT Int. Appl., 82 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 9524494 A1 19950914 WO 1995-US926 19950124
W: AU, CA, FI, JP, MX, NO, NZ
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL,
PT, SE
CA 2184687 AA 19950914 CA 1995-2184687 19950124
AU 9516888 A1 19950925 AU 1995-16888 19950124
AU 694181 B2 19980716
EP 749492 A1 19961227 EP 1995-908648 19950124
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL
JP 09509847 T2 19971007 JP 1995-523442 19950124
US 5891698 A 19990406 US 1995-433271 19950502
PRIORITY APPLN. INFO.: US 1994-209122 19940309
WO 1995-US926 19950124

AB The invention relates to humanized milk. The milk is produced by
a
non-human transgenic mammal wherein the genome of said
transgenic
non-human mammal contains at least one heterologous gene
encoding for a
human catalytic entity and wherein the catalytic entity produces
oligosaccharides and glycoconjugates that are present in the milk of
said
transgenic non-human mammal. An esp. useful catalytic entity is
human
glycosyltransferases which produce oligosaccharides and
glycoconjugates.
A method of obtaining humanized milk is disclosed. The method
comprises
the steps of (a) inserting into the genome of a non-human mammal a
heterologous gene encoding the prodn. of a human catalytic entity
wherein
said catalytic entity produces a secondary gene product in the milk of
said non-human mammal; and (b) milking said non-human mammal.
The
humanized milk may be used in the prepn. of an enteral nutritional
product
useful in the nutritive maintenance of an animal.

=> log y
COST IN U.S. DOLLARS SINCE FILE TOTAL
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STN on the Web
NEWS 3 Jan 29 FSTA has been reloaded and moves to weekly
updates
NEWS 4 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a

new update

frequency

NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02

NEWS 6 Mar 08 Gene Names now available in BIOSIS

NEWS 7 Mar 22 TOXLIT no longer available

NEWS 8 Mar 22 TRCTHERMO no longer available

NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/CAPLUS

and USPATFULL

NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY

NEWS 11 Apr 02 PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.

NEWS 12 Apr 08 "Ask CAS" for self-help around the clock

NEWS 13 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area

NEWS 14 Apr 09 ZDB will be removed from STN

NEWS 15 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB

NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS

NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER

NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available

NEWS 19 Jun 03 New e-mail delivery for search results now available

NEWS 20 Jun 10 MEDLINE Reload

NEWS 21 Jun 10 PCTFULL has been reloaded

NEWS 22 Jul 02 FOREGE no longer contains STANDARDS file segment

NEWS 23 Jul 19 NTIS to be reloaded July 28, 2002

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,

CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),

AND CURRENT DISCOVER FILE IS DATED 05

FEBRUARY 2002

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=> s recombinant? or heterologous? or overexpress?

L1 675126 RECOMBINANT? OR HETEROLOGOUS? OR OVEREXPRESS?

=> s hirudin

L2 7431 HIRUDIN

=> s II(2a)I2

L3 1561 L1(2A) L2

=> s II(a)I2

L4 1443 L1(A) L2

=> s mammal?

L5 3965448 MAMMAL?

=> s I4(s)I5

L6 3 L4(S) L5

=> dup rem I6

PROCESSING COMPLETED FOR L6

L7 2 DUP REM L6 (1 DUPLICATE REMOVED)

=> d ti so 1-2

L7 ANSWER 1 OF 2 MEDLINE DUPLICATE 1

TI Stable expression and purification of a secreted human recombinant prethrombin-2 and its activation to thrombin.

SO PROTEIN EXPRESSION AND PURIFICATION, (1997 Jul) 10 (2) 214-25.

Journal code: 9101496. ISSN: 1046-5928.

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

TI Recombinant hirudin manufacture with mammalian cells

SO Fr. Demande, 20 pp.

CODEN: FRXXBL

=> d ibib ab 2

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1989:418820 CAPLUS

DOCUMENT NUMBER: 111:18820

TITLE: Recombinant hirudin manufacture with mammalian cells

INVENTOR(S): Skern, Timothy; Courtney, Michael

PATENT ASSIGNEE(S): Transgene S. A., Fr.

SOURCE: Fr. Demande, 20 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

FR 2611723 A1 19880909 FR 1987-2696 19870227

FR 2611723 B1 19890908

AB Hirudin, a thrombin inhibitor, is produced by transformed higher eukaryote

cells and secreted into the medium. Recombinant vaccinia virus

VV.TG.Hir2902 contg. a chimeric human .alpha.1-antitrypsin signal

sequence-hirudin gene under control of the vaccinia virus protein

7.5K

gene promoter was constructed. BHK21 cells transfected with this

viral

vector secreted hirudin into the culture medium. The recombinant hirudin

was an efficient thrombin inhibitor.

=> s l4(p)l5

L8 4 L4(P) L5

=> dup rem l8

PROCESSING COMPLETED FOR L8

L9 2 DUP REM L8 (2 DUPLICATES REMOVED)

=> s eukaryot?

L10 108019 EUKARYOT?

=> s l4(s)l10

L11 7 L4(S) L10

=> dup rem l11

PROCESSING COMPLETED FOR L11

L12 4 DUP REM L11 (3 DUPLICATES REMOVED)

=> d ti so 1-4

L12 ANSWER 1 OF 4 MEDLINE DUPLICATE 1
TI Current status of the anticoagulant hirudin: its biotechnological
production and clinical practice.
SO APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, (2001
Dec) 57 (5-6) 606-13. Ref:
75
Journal code: 8406612. ISSN: 0175-7598.

L12 ANSWER 2 OF 4 MEDLINE DUPLICATE 2
TI Efficient synthesis of the blood-coagulation inhibitor hirudin in the
filamentous fungus *Acremonium chrysogenum*.
SO APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, (1997
Jul) 48 (1) 58-65.
Journal code: 8406612. ISSN: 0175-7598.

L12 ANSWER 3 OF 4 BIOSIS COPYRIGHT 2002 BIOLOGICAL
ABSTRACTS INC.
TI Molecular cloning of hirudin derivative cDNA gene and expression
in
mammalian cell.
SO Acta Academiae Medicinae Shanghai, (1996) Vol. 23, No. 3, pp.
185-188.
ISSN: 0257-8131.

L12 ANSWER 4 OF 4 MEDLINE
TI Production of the HV1 variant of hirudin by recombinant DNA
methodology.
SO BLOOD COAGULATION AND FIBRINOLYSIS, (1991 Feb) 2
(1) 113-20.
Journal code: 9102551. ISSN: 0957-5235.

=> d his

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FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 13:56:29 ON
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L1 675126 S RECOMBINANT? OR HETEROLOGOUS? OR
OVEREXPRESS?
L2 7431 S HIRUDIN
L3 1561 S L1(2A)L2
L4 1443 S L1(A)L2
L5 3965448 S MAMMAL?
L6 3 S L4(S)L5
L7 2 DUP REM L6 (1 DUPLICATE REMOVED)
L8 4 S L4(P)L5
L9 2 DUP REM L8 (2 DUPLICATES REMOVED)
L10 108019 S EUKARYOT?
L11 7 S L4(S)L10
L12 4 DUP REM L11 (3 DUPLICATES REMOVED)

=> s l4 not (prokaryot? or bacteria or fungus or yeast)

L13 1352 L4 NOT (PROKARYOT? OR BACTERIA OR FUNGUS
OR YEAST)

=> s hirudin/ti

L14 2666 HIRUDIN/TI

=> d his

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FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 13:56:29 ON
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L1 675126 S RECOMBINANT? OR HETEROLOGOUS? OR
OVEREXPRESS?
L2 7431 S HIRUDIN
L3 1561 S L1(2A)L2
L4 1443 S L1(A)L2
L5 3965448 S MAMMAL?
L6 3 S L4(S)L5
L7 2 DUP REM L6 (1 DUPLICATE REMOVED)
L8 4 S L4(P)L5
L9 2 DUP REM L8 (2 DUPLICATES REMOVED)
L10 108019 S EUKARYOT?
L11 7 S L4(S)L10
L12 4 DUP REM L11 (3 DUPLICATES REMOVED)
L13 1352 S L4 NOT (PROKARYOT? OR BACTERIA OR
FUNGUS OR YEAST)
L14 2666 S HIRUDIN/TI

=> s l1(s)l14

L15 796 L1(S) L14

=> s l10 and l15

L16 2 L10 AND L15

=> dup rem l16

PROCESSING COMPLETED FOR L16

L17 2 DUP REM L16 (0 DUPLICATES REMOVED)

=> d ti so 1-2

L17 ANSWER 1 OF 2 MEDLINE
TI Production of the HV1 variant of hirudin by recombinant
DNA methodology.
SO BLOOD COAGULATION AND FIBRINOLYSIS, (1991 Feb) 2
(1) 113-20.
Journal code: 9102551. ISSN: 0957-5235.

L17 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS
TI Recombinant hirudin manufacture with mammalian cells
SO Fr. Demande, 20 pp.
CODEN: FRXXBL

=> d his

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19 JUL 2002

L1 675126 S RECOMBINANT? OR HETEROLOGOUS? OR
OVEREXPRESS?
L2 7431 S HIRUDIN
L3 1561 S L1(2A)L2
L4 1443 S L1(A)L2
L5 3965448 S MAMMAL?
L6 3 S L4(S)L5
L7 2 DUP REM L6 (1 DUPLICATE REMOVED)
L8 4 S L4(P)L5
L9 2 DUP REM L8 (2 DUPLICATES REMOVED)
L10 108019 S EUKARYOT?
L11 7 S L4(S)L10
L12 4 DUP REM L11 (3 DUPLICATES REMOVED)
L13 1352 S L4 NOT (PROKARYOT? OR BACTERIA OR

FUNGUS OR YEAST)

L14 2666 S HIRUDIN/TI

L15 796 S L1(S)L14

L16 2 S L10 AND L15

L17 2 DUP REM L16 (0 DUPLICATES REMOVED)

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